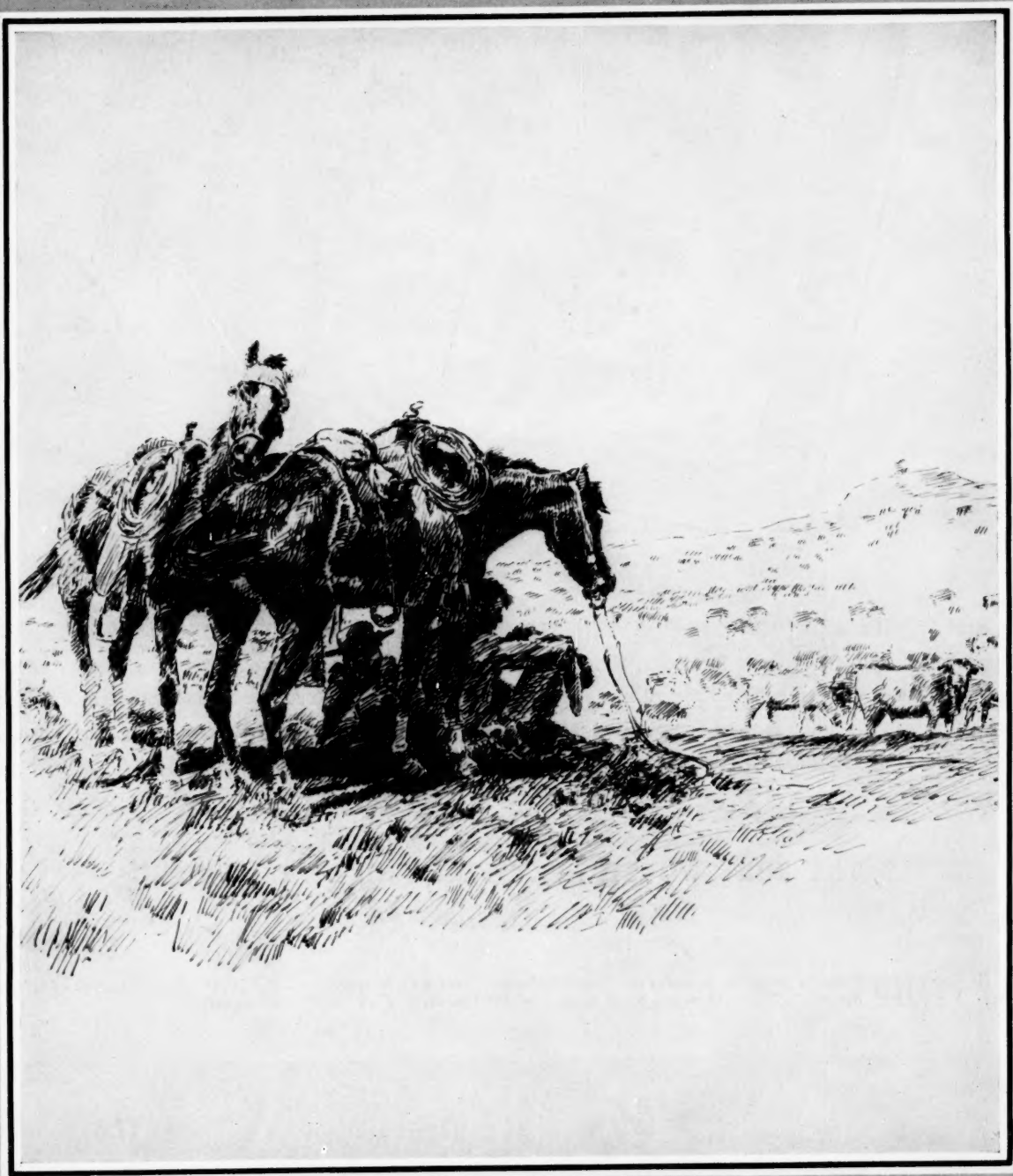
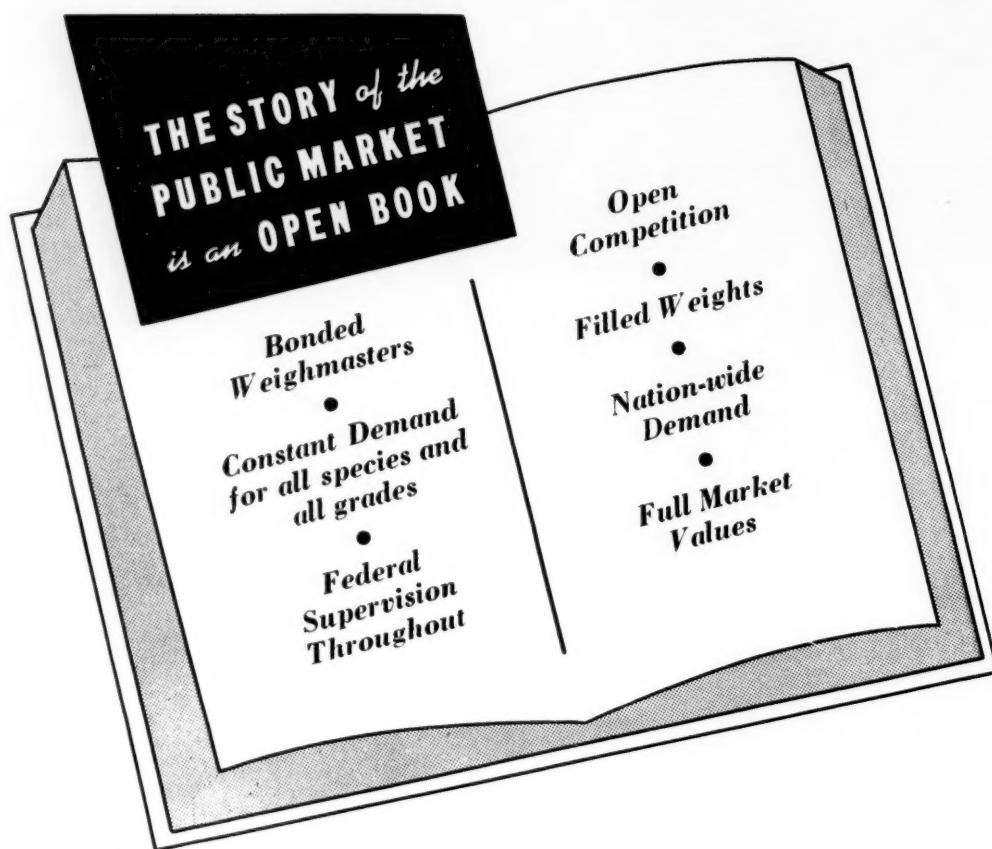


The Cattleman

Fort Worth, Texas, February, 1955

VOLUME XLI -- No. 9





The Fort Worth market is the most **CONVENIENT**, **DEPENDABLE** and **PROFITABLE** place for southwestern stockmen to market their livestock. Here livestock shipments are received 24 hours a day, carefully handled, penned, watered and fed according to shippers' instructions. At Fort Worth, under federal supervision, livestock prices are made in open competition with buyers for all classes of livestock bidding for every shipment offered, assuring the shipper the best prices possible for his stock.

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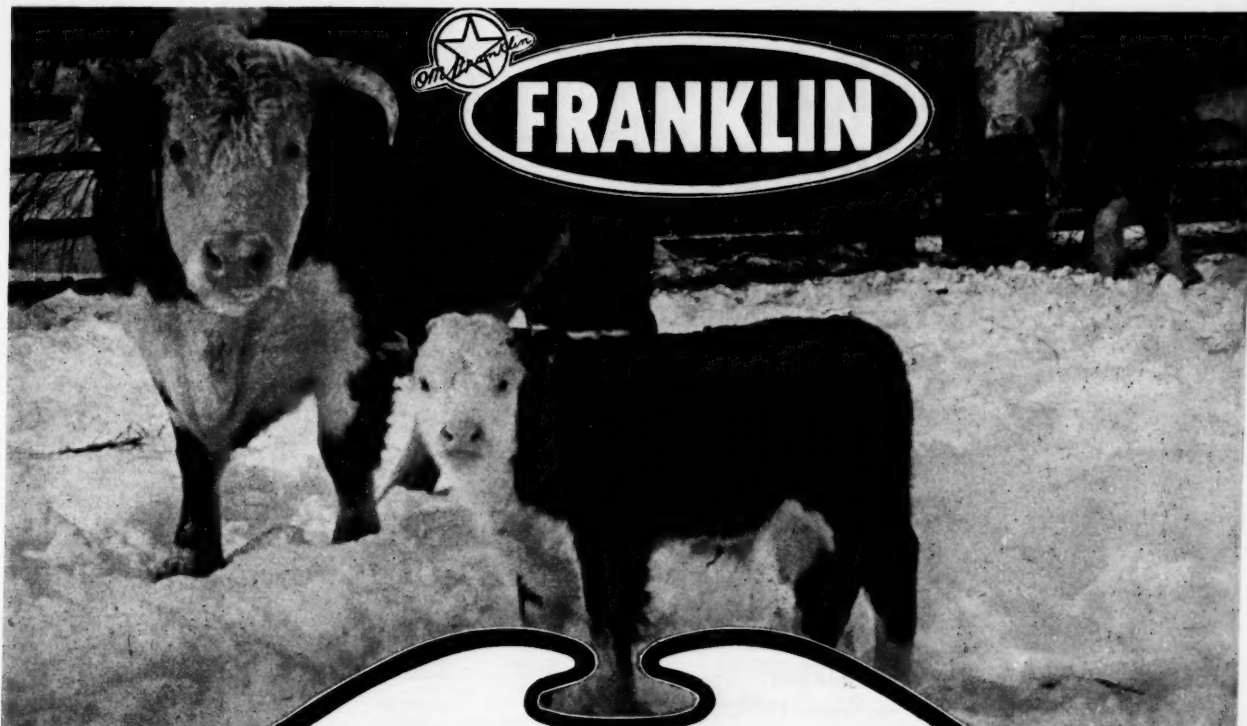
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The Cattleman

Vol. XLI

FEBRUARY, 1955

No. 9

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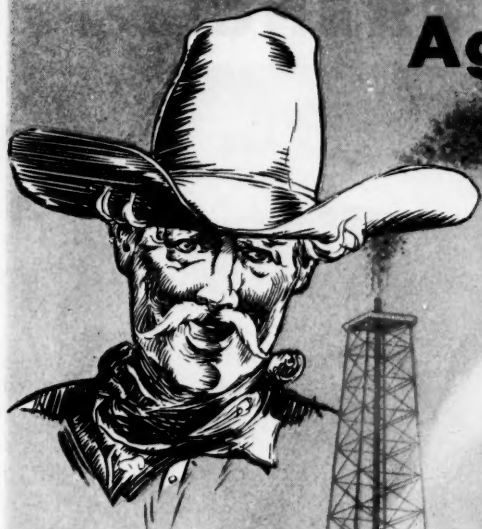
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Agricultural "Wildcatting"

Should be tried and could
pay big dividends - says
Agriculture Secretary
Ezra T. Benson —

Secretary Benson is an earnest and outstanding authority on agricultural problems. We agree whole-heartedly with him that ardent research in the development of new stock feed, especially range grasses could be of untold benefit to stock growers the country over.

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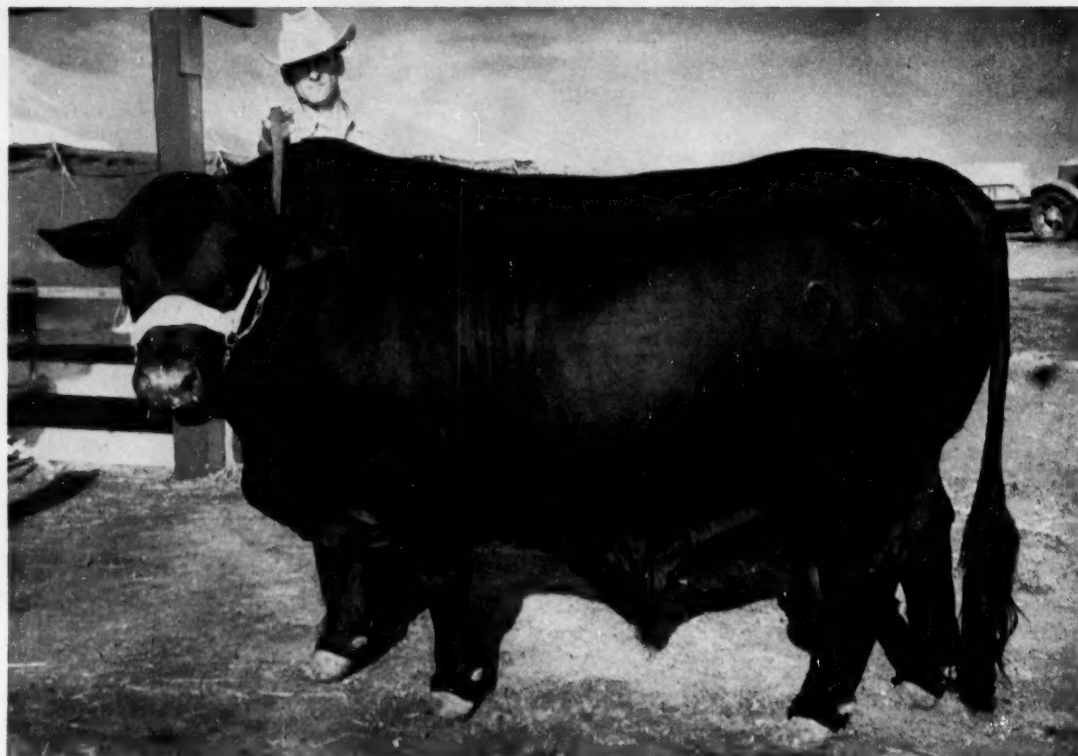
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Of things that concern cattle raisers

The Cattleman Cover

From a pen sketch by Charles M. Russell.

THIS is another pen sketch and one of the several which are a part of the Mackay collection of Russell's works. This collection is now housed in the new Veterans' Memorial Building in Helena, Montana. The entire Mackay collection, together with a number of others of his paintings, is now the property of the Historical Society of Montana. The Mackay collection was turned over to this society by Mrs. Malcolm S. Mackay, former owner of this Russell collection.

We are pleased to be able to occasionally give our readers a Russell, and are grateful to the Mackay Estate for the many courtesies they have extended to us and for the privilege of reproducing the many Russell paintings and sketches.

CONVENTION HIGHLIGHTS TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSOCIATION 78th ANNUAL CONVENTION DALLAS

MONDAY, MARCH 21

9:00 A.M. Registration. Lobby, Hotel Adolphus
2:00 P.M. Board of Directors' Meeting, French Room, Hotel Adolphus
8:00 P.M. to 12:00 M. {Cattle Raisers Roundup-Square
{Dance. Roof Garden, Hotel Adolphus

TUESDAY, MARCH 22

8:00 A.M. Registration continues. Lobby, Hotel Adolphus
9:00 A.M. to 12:00 Noon {General Business Meeting. Grand Ballroom, Hotel Adolphus
12:00 Noon Style Show Luncheon for Ladies. Crystal Ballroom, Baker Hotel
2:00 P.M. Resolution Committee Meeting. French Room, Hotel Adolphus
2:00 P.M. Tour Texas Research Foundation Cattleman's Ball. Crystal Ballroom, Baker Hotel
9:00 P.M.

WEDNESDAY, MARCH 23

8:00 A.M. Registration continues. Lobby, Hotel Adolphus
9:00 A.M. to 12:00 Noon {General Business Meeting. Grand Ballroom, Hotel Adolphus
12:00 Noon Luncheon—Officers and Directors. French Room, Hotel Adolphus
2:30 P.M. General Business Meeting. Grand Ballroom, Hotel Adolphus

A more detailed program, giving names of speakers, etc., will appear in the March issue of The Cattleman.

Third Quarterly Meeting Board of Directors Texas and Southwestern Cattle Raisers Assn.

THE third quarterly meeting of the board of directors of the Texas and Southwestern Cattle Raisers Association was held at Hotel Texas, Fort Worth, Texas, January 6. Dr. W. Gordon Whaley and Hulen W. Black of the University of Texas gave a report on the research for range land grasses being carried on at the University of Texas. This is quite an extensive program and promises to be of material benefit to the ranchers of the state as it progresses.

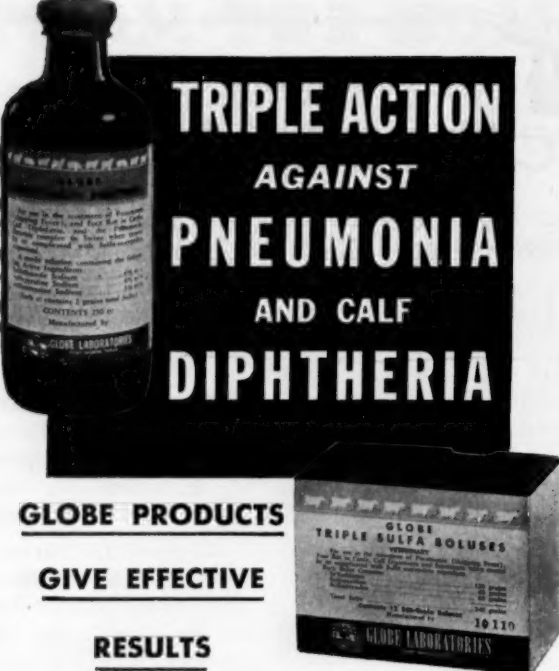
Peter Fox of Sweetwater discussed the current feed situation and said there were no stocks of cottonseed meal on hand at the present time and that the farmers were holding soybeans for speculation. He said there is a good chance of proteins coming down in price. He discussed, also, several phases of the feed law and said that the present organization of Texas A. & M. handling the feed control service was pinched for funds and under-manned and that the employees are underpaid. He said that this service does not have facilities to run as many samples as needed and that the law passed in 1905 regulating the feed control service is inadequate for present conditions and that there is an urgent need of a new law to keep up with the present times.

Judge Joe G. Montague reported that he had prosecuted 24 cow theft cases since the last directors meeting, with 23 convictions and one acquittal. He said he had made two trips to Washington and that there is definitely an effort being made by certain groups to bring about the compulsory vaccination for brucellosis and that the dairy people are quite definitely for compulsory vaccination.

He said a new contract with the Mexican government on Mexican labor will not be consummated until April or May and that at a meeting he attended in Washington concerning this matter he recommended the contract be simplified considerably.

There was considerable discussion regarding the 7,300,000 acres of mineral classified land in Texas and the following resolution was adopted:

WHEREAS, the present law with reference to the handling of the minerals, other than oil and gas, reserved by the State under certain lands heretofore sold by the State is not practical and does not bring into the State Treasury for the benefit of the Public School Fund a satisfactory return and does not give



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AGAINST
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AND CALF
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to the surface owners of these lands any character of protection, and

WHEREAS, it is believed that a more practical and more remunerative law can be devised,

NOW, THEREFORE, BE IT RESOLVED that THE TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSOCIATION, acting through its Board of Directors, recommends to the Legislature of Texas the enactment of new legislation on this subject that would provide for the handling of all minerals reserved by the State in the same manner as oil and gas are now handled under the law relating to such particular minerals.

Charles Stewart, traffic counsel for the Association, reported on traffic matters but nothing very definite was brought out in this report.

C. E. Weymouth, chairman of the Tax Committee of the Association, made quite a detailed report relative to the activities of his committee and of the National Tax Committee. He told about the tax manual published by the National Tax Committee, which is now ready for distribution. He recommended that the board of directors endorse the program of the National Tax Committee and authorize its officers to support the National Tax Committee with funds, if necessary. Motion to do this was adopted.

Albert Mitchell reported regarding the activities of the National Live Stock and Meat Board, in the absence of Jay Taylor. He said the revenue had more than doubled since the increase was put into effect some time ago. He said the work of the board had been greatly enlarged with these additional funds and that the revenue had been used to a tremendous advantage.

Ray W. Willoughby reported for the Finance Committee and said the finances of the Association were in good condition regardless of the fact we have been going through a severe drouth in this territory.

Bryant Edwards, chairman of The Cattleman Committee, reported that the finances of The Cattleman are in good shape, although somewhat reduced from a year ago, but this was to be expected considering conditions in the territory.

The following applications for membership in the Association, by counties, were accepted:

TEXAS

Archer: D. L. Bishop & Son; Bastrop: M. W. Kelley, H. F. Phillips; Baylor: Geo. K. Shawver; Bexar: Howeth & Mason, Ragsdale Ranch; Bosque: Edd L. Brooks; Brazoria: Roy L. Knipe, Peltier Bros.; Brazos: Double B Cattle Co.; Burleson: Old River Ranch; Colorado: A. L. Rolf; Cooke: T. J. Allison; Coryell: J. O. Helms, C. A. Stokes; Dallam: J. A. Burrow, F. A. DeJarnett, J. P. Taylor.

Dallas: Erwin Farm; Denton: William A. Remley; DeWitt: Lem C. Duderstadt, Jr.; Dimmit: Sal A. Armstrong; Eastland: Dr. W. S. Carter; El Paso: Brown & Ledford Ranch, Ben Cook; Erath: Bobby John & Betty Foster Trust; Fannin: John L. Marshall; Fort Bend: Freeman Booth, Thomas W. Booth, E. C. Freeman, Lottie Otto; Goliad: Erwin O. Friedrichs, Lazy F Ranch; Gray: W. R. Campbell; Grayson: H. O. Belden, L. D. Lamb, C. T. Sadler, Floyd C. Smith, E. B. Strawn, Joe E. Vandiver; Gregg: Bell & Muse; Grimes: W. N. Fabian, Richard H. Hollingsworth, Christ Mattern.

Hamilton: Durwood Hall, John Hardy Morgan, M. M. Robertson & Nila Robertson, J. T. Stribling, Tom J. Thompson, W. H. Wren; Harris: David C. Bintliff Interests, L. F. Fuqua, Jim Hall, B. P. Jones, Dr. Guy E. Knolle, Sadie M. Lee, J. K. Oats, Ralph Sorenson, Jr., Elmer L. Summers, F. E. Swensen, M. H. Whitley, Ferd Wirt; Hartley: E. W. Thompson; Hemphill: First National Bank, Sam Waters; Henderson: Valley View Ranch; Hidalgo:



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Arthur Auvermann.....	Route 7, Hico, Texas	A. E. Hitzfelder.....	Courthouse, San Antonio, Texas
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Boozler's Ranch.....	Marion, Alabama	W. A. Krohn.....	Electra, Texas
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Beaver Creek Ranch.....	Electra, Texas	C. R. Luedtke.....	Pflugerville, Texas
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Gibson Beefmasters.....	Snyder, Texas	Valentine Ranch.....	Wheatland, Wyoming
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COLORADO

Denver: Fred Bauer.

OHIO

Cuyahoga: Theodore Joseph Lestock.

Directors' Meeting, Dallas, March 21

PRESIDENT ROY PARKS has announced that the directors of the Texas and Southwestern Cattle Raisers Association will meet at the Adolphus Hotel, Dallas, 2:30 p. m., March 21. Many members and others who will be in Dallas for the convention are cordially invited to this meeting.

Cattle Thefts

JIMMY STUMP and Donald Schell of Bowie, Texas, pleaded guilty to stealing two head of cattle from E. R. Mangum of Bowie, Dec. 2, 1954, and two head from Bill Crump of Saint Jo, Texas, on Dec. 18, and were sentenced to six years each in the state penitentiary. They were apprehended by Sheriff J. T. Lindsey of Bowie and Texas Ranger Louis Rigler of Gainesville.

Cattle and Calves on Feed

NUMBER of cattle and calves on feed in Texas January 1, 1955, estimated at 126,000 head, was two per cent less than the 129,000 head on feed a year earlier and third less than the 193,000 head on feed January 1, 1953. Slightly smaller numbers of cattle are being fed this year compared with a year earlier in the large commercial lots and also by farm feeders. High feed costs relative to the spread between feeder and fat cattle prices resulted in holding down operations in the commercial lots, while short grain and roughage reserves curtailed many farm feed lot operations.



HILLCREST LARRY 25th

You're Invited

While you are attending the San Antonio Show, you are cordially invited to come by our ranch and see the great Register of Merit Hillcrest Larry 25th and the outstanding calves we have by him. Visit our stalls at San Antonio, and we will gladly drive out to the ranch with you.

SELLING AT SAN ANTONIO, FEB. 22

Two Bulls—both are the sons of WHR Elite Triumph 38th and both are ready for service. Be sure to look them over.

*You are cordially invited to visit us at the
ranch located 25 miles north of San
Antonio, two miles east of U.S. 87*

C. W. Moore, General Manager, Ranch Operations
Dean Dodgen, Foreman



FAIR OAKS RANCH

**BOERNE
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Registered Herefords

RALPH E. FAIR, Owner

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Regular Sale Days
 Mondays and Tuesdays
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 Friday's Special Stocker and Feeder Sale
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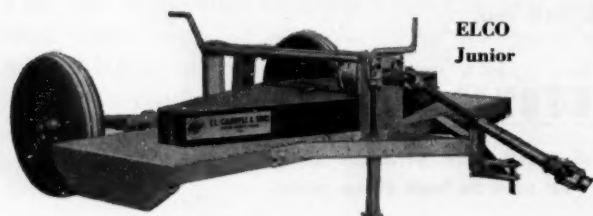
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CORPUS CHRISTI, TEXAS

The Cattleman's

WASHINGTON ROUNDUP

By THE CATTLEMAN'S Special Washington Correspondent.

Great Decade Ahead for Farmers—Agricultural Secretary Benson has told the Senate Agricultural Committee there is a "great decade ahead for American farmers."

In reviewing for the committee the status of farm surpluses and the general farm picture, Benson pointed out that U. S. farm income has about stopped its post-war decline and that net farm income in 1955 should approach that of 1954. He said prices received by farmers may be expected to average close to present levels and farmers' costs probably will not change much in the year ahead. He said cattle prices won't change much this year.

Secretary Benson said retail food prices dropped by 2 per cent last year, even though food retailers are offering consumers increasing amounts of "built-in maid-service" with the food they buy. Consumer demand for more packaging, freezing, pre-cooking and other services have kept retail prices from falling as much as farm prices. Increased labor and transportation costs have also been an important factor, he said.

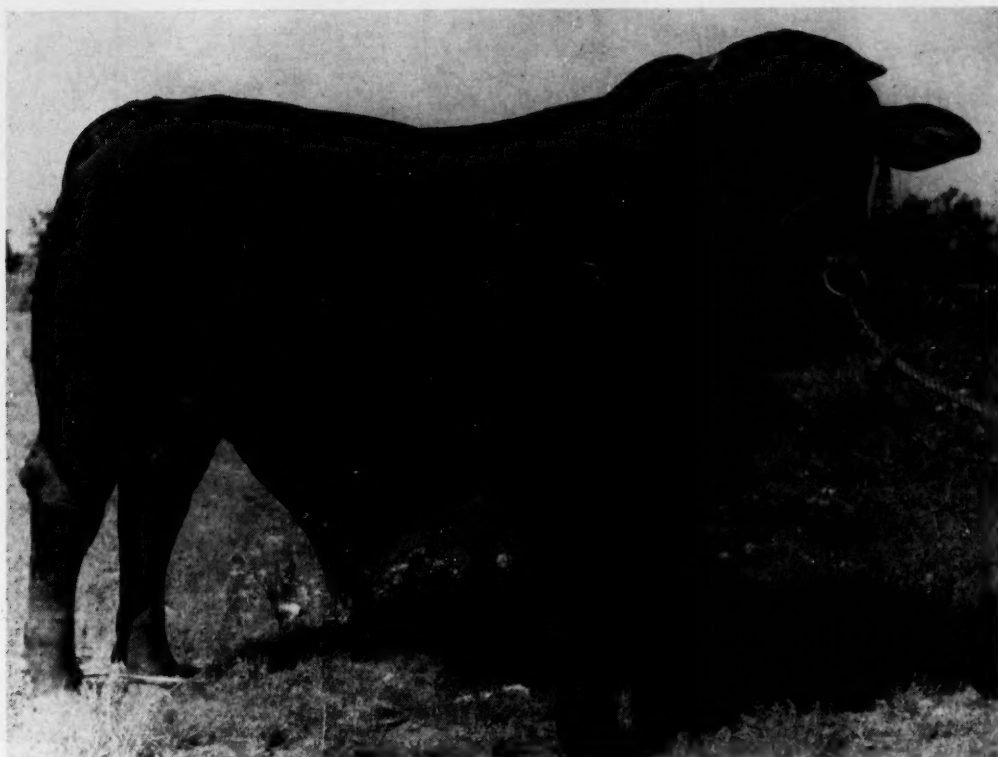
The secretary firmly believes that farmers must not and will not yield to the temptation to socialize agriculture. He has great faith that the intelligent application of the principles of free enterprise in American agriculture will bring very substantial improvements in standards of living to farm people in the years ahead.

Super Beef Salesman—Jay Taylor, President, American National Cattlemen's Association, deserves the reputation he has acquired as the Nation's number one beef salesman. Taylor has worked effectively in almost every state in organizing beef promotion drives. Under Taylor's leadership the cattlemen rejected price supports on cattle two years ago when prices slumped, and then went out and sold beef as it has never been sold before.

Editorials all over the nation have praised the cattlemen for solving their problems on their own initiative without getting their hands into Uncle Sam's pockets.

At the 58th Annual Convention in Reno in January, Taylor summed up the situation in these words: "It's not hard to remember when only a short time ago everyone was cussing us out . . . Or when people were advocating all kinds of beef substitutes. One thing we've learned—now that we've regained the respect and affection of the nation—is that we cannot relax our efforts to continue providing beef

(Continued on Page 16)



Here is a typical Pioneer Santa Gertrudis Breeders Bull

Your Best Opportunity to See and Select

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Pioneer Santa Gertrudis Breeders' Bulls

Some of our members will exhibit purebred Santa Gertrudis Cattle at Houston Fat Stock Show, February 1-13, and again at San Antonio Live Stock Exposition February 18-27.

We hope to see you at the shows, to welcome you to our ranches.

We invite you to see these cattle, contact our members and arrange to visit any or all of our ranches.

We have top quality, vigorous, young and breeding age, purebred Santa Gertrudis bulls for sale. They are the result of our years of experience in breeding of foundation stock from Running W bulls. Strict culling, careful breeding and constant production testing insure highest type bulls.

Use these bulls to up-grade commercial herds, to insure greater weight for age, improve calf crops from other breeds, increase heat and disease resistant qualities or improve your purebred Santa Gertrudis herds.

EL TORAZO — "Yo soy toro en mi rodeo y torazo en rodeo ajeno."

—Martin Fierro, Argentina



Pioneer Santa Gertrudis Breeders

1633 Milam Building
San Antonio, Texas



The Cattleman's CORRAL

Edited by HENRY BIEDERMAN

ANNUAL CONVENTION—Dates for 78th Annual Convention, Texas and Southwestern Cattle Raisers are March 22-23, Dallas. Directors' meeting, Monday, March 21. Program committee promises some top speakers and good entertainment. Details will be given in March issue. Make your hotel reservations now. See coupon elsewhere this issue.

* * *

COLD STORAGE HOLDINGS—MEATS—Frozen beef stocks increased more than 29 million pounds during Dec. '54 as compared to over 50 million in '53. Dec. 31, '54 holdings of frozen beef were 179 million pounds as compared to 241 million in '53.

* * *

WOOL INCENTIVE PAYMENTS—Wool producers who expect to get 62 cents incentive price must be sure wool is sheared after Jan. 1, '55 and marketed after April 1. Wool may be stored in commercial wool warehouse or consigned for future sale but owner must keep title to it during Jan.-March period.

* * *

PARITY PRICES—Parity price for beef cattle was \$15.90 per cwt. on Dec. 15, '54 as compared to \$15.60 Dec. '53. Average U.S. price received by farmers Dec. 15, '54 was \$20.90 as compared to \$21.00 in '53.

* * *

MEXICAN CATTLE—U.S. officials in charge Mexican cattle importations report 73,000 head imported to U.S. from Mexico Jan. 1 to Jan. 22. See complete first hand detailed report elsewhere this issue.

U.S. GOVT. SURPLUSES—International Federation of Agricultural Producers reports that U.S. Govt. has \$7,000 million of surplus farm products in storage. IFAP says this figure is a record high and one year ago the investment in surpluses was \$4,500 million. At end of Oct. '54 U.S. Govt. owned outright \$4,100 million in farm goods and had \$2,525 million in loans advanced to farmers stored under price support programs. Since Oct. 31 these figures have increased to about \$7,000 million. Biggest item is wheat. Govt. owns or has loans on \$2,700 million in wheat.

* * *

IN THIS ISSUE—Of unusual interest at this time--The cattle industry in Costa Rica (Page 20) because of troubles being experienced there. "Ruminant Nutrition" (Page 22) from Armour's Livestock Bureau. At last ruminant nutrition is receiving much needed attention by research. "Poisonous Range Plants" (Page 65) should be saved for reference. Experiments by Texas A&M College show cattle and sheep do better when grazing in combination; little difference is noted with goats. (Page 82)

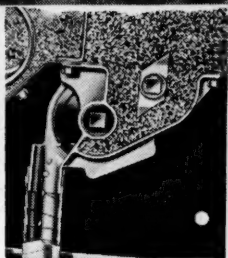
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TEXAS FARM POPULATION—Now less than at any time since 1870's. Farm population in Texas Apr. 1, '54 was 1,226,000, a decrease of 260,000 or 18.8 per cent from the 1,387,000 farm population in 1950. The farm population in Texas in April '54 was about 13.7 per cent of state's civilian population and 5.1 per cent of U. S. farm population.

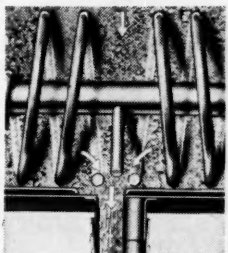


WD OR WD-45 11-run drill holds 5 bushels of grain and 400 pounds of fertilizer. Grass seed attachment (extra equipment) holds 18 pounds.

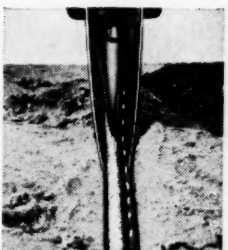
New **MICRO-FEED** assures maximum seeding accuracy at higher speeds, both in the drill row and in rate per acre. Grass seed attachment has fluted feed.



New **FORCE-FLO** fertilizer assembly has spiral spring agitators to break lumps and auger fertilizer uniformly. The assembly is easily removed for thorough cleaning.



New **TWIN-BOOT** dispensers are used with either single or double-disc openers to place seed and fertilizer in separate bands for quick crop response . . . no injury to seedlings.



Uniform depth of seeding and fertilizing over uneven ground is assured by Torsion-Spring design working with new "bellows-type" spouts — which allow greater freedom to ground rig movement. Grass seed "bellows-type" spouts broadcast or band-seed.

CA 9-run drill holds 4 bushels of grain and 320 pounds of fertilizer. Grass seed attachment (extra equipment) holds 15 pounds.

ANOTHER ALLIS-CHALMERS FIRST

Quick-Hitch, Tractor-Mounted

ALL-CROP drill

This is the new quick-hitch, tractor-mounted ALL-CROP Drill . . . another history-making contribution to better farming by Allis-Chalmers!

Here is new precision that enables you to seed and apply fertilizer accurately, uniformly . . . *at higher than average speeds!* Mounted on your CA, WD or WD-45 Tractor, the ALL-CROP Drill becomes an integrated unit, with quick SNAP-COUPLER hitching, hydraulic lifting and lowering, plus all the other superior operating features which only these Allis-Chalmers tractors and mounted equipment possess.

Seed and fertilizer are deposited in separate bands, eliminating possibility of losses from "burning" of seed or tender young roots. Depth uniformity is assured by new torsion pressure springs. Seeds are released evenly . . . never cupped out in wasteful bunches. Fertilizer is metered in the exact amount desired per acre.

With the low-cost ALL-CROP Drill, you can drill grain, seed grasses, and apply fertilizer . . . singly, or in any combination. It's new . . . it's fast . . . *it's different!* See your Allis-Chalmers dealer today . . . or write us for free illustrated catalog.

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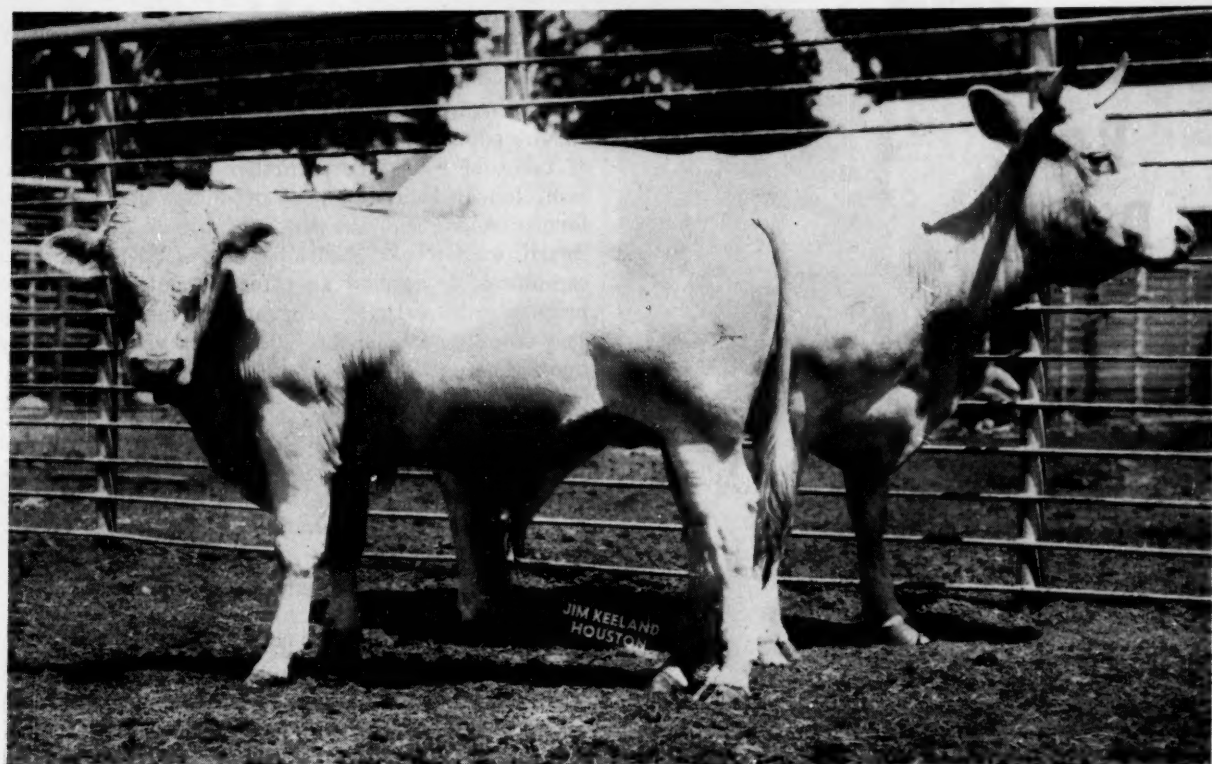
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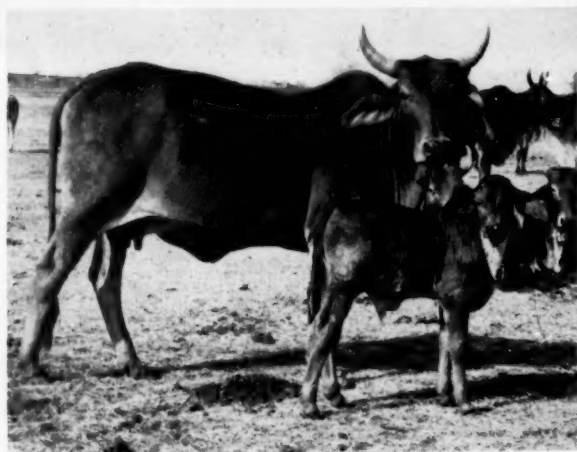
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Kubela's Red Pride PH90



Was nicknamed HB as a calf because he showed promise of becoming a herd bull.

His first calves are now on the ground and are uniformly beefy, big boned red calves with lots of quality and breed character.



Miss Fredo's 142 and her HB calf



*See our show herd in San Antonio
and while there, come to Seguin to
see our cattle.*

STANLEY KUBELA

Rt. 4
Seguin, Texas



Rt. 1
Palacios, Texas

efficiently to everyone at prices they can afford to pay. We could get cussed out again!"

A new and important step forward by the cattlemen is the establishment of the National Beef Council, in cooperation with packers and other segments of the beef industry to further encourage the consumption of beef and beef products. R. C. Pollock, former manager of the National Livestock and Meat Board, was selected to head up a special fact-finding committee to develop an effective nationwide sales promotion advertising program for beef which may cost from \$2,000,000 to \$5,000,000 a year depending upon the completeness of the program.

Cattle Grub Meeting—Losses from cattle grubs, estimated by the Department of Agriculture last year to run \$100,000,000 a year or more in damages to beef carcasses and hides, has prompted the livestock and meat industry to organize a drive to eradicate this costly pest.

At a meeting in Washington January 17, John K. Minnoch, executive director of the National Hide Association, was elected chairman of the Industry-Wide Grub Control Committee. Minnoch, in turn, named two committee chairmen to function as sub-committee leaders.

Donald C. Boughton, Livestock Conservation, Inc., will head a committee to make a market study on how the grub program can best be sold to the farmers, cattlemen and ranchers, for without their cooperation, it is unlikely that any program to eradicate cattle grubs could possibly succeed.

L. Blaine Liljenquist, Washington representative of the Western States Meat Packers Association, Inc., was appointed chairman of the committee on research. Other members of that committee include F. E. Mollin of the American National Cattlemen's Association, H. F. Hall of the American Farm Bureau Federation, Dr. Fred O'Flaherty of the Tanners' Council of America, and Delos E. James of the National Grange.

In addition to stimulating private research the committee will ask Congress to appropriate \$135,000 a year for government research to find a remedy for treating grubs successfully. Because grubs are resistant to insecticides that readily kill most other insects, little progress has been made in bringing them under control. After thirty years of attention to this program, grubs still exist in every state in the union.

Cattle grub damage to carcasses and hides can be eliminated, according to Dr. B. T. Simms, Chief of the Animal Disease and Parasite Research Branch of the Department of Agriculture. Dr. Simms, in addressing the meeting said, "We should first determine the cost of eliminating grubs, and then decide if we want to do it. If we do, then the sooner we get at it the better."

MECOM
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SALE

the **PRINCE ERIC**
Influence Sale
FEB. 12th
HOUSTON, TEXAS

We will join with Mecom Ranch with our best production.
1 Bull 15 Females



Raona's Prince Eric

A great proven son of Prince Eric of Sunbeam

ESSAR RANCH, San Antonio, Texas — FEB. 11th

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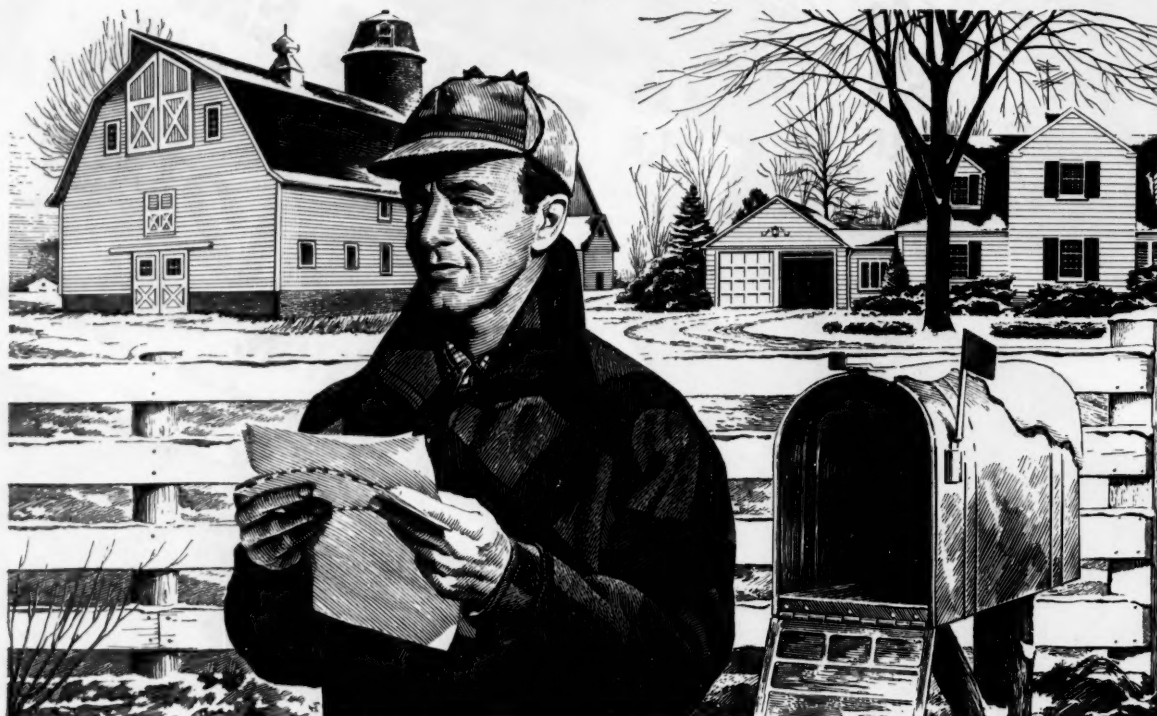
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Swift Reports On Its Services To Agriculture In '54

On the rural routes of America live the producers of our nation's food supply . . . along the city, town and village streets live the people who depend on the food that farmers and ranchers produce.

Most of these consumers aren't able to come directly to your farm or ranch . . . neither can the retail dealers. That's why companies such as Swift have a job to do . . . to process and distribute what you produce.

The services we perform help provide a market for your livestock and other

agricultural products. And, the better job we can do in selling and distributing our products, the better market we can provide for you. Consumers living a thousand miles or more from your farm or ranch, become your customers.

Every year we do business with millions of people, both producers and those who buy our products. Our total sales in 1954 amounted to \$2,510,804,805. Net profit was \$19,050,891. The report below shows what happened to the money received from sales.

You'll also notice that our earnings

per average dollar of sales were 8/10ths cent. This small profit was used in two ways . . . part was paid to the 65,000 shareholders, a good number of them farmers and ranchers . . . the remaining profit is being retained in the business for future needs.



A. L. BRUCKNER
TREASURER, SWIFT & COMPANY

Here's what happened to the Swift sales dollar

For all "raw materials"—from your farms and ranches, and other sources, we paid out \$1,838,648,919 last year. Only a small part of that money may be profit for producers, just as only a small part of Swift's total sales may be profit for us. From the average Swift sales dollar, we paid out for livestock and other agricultural products. . . . **73.2 cents**

For labor in 1954 we paid out \$328,446,934. As in your business, labor costs are an important item with us. Swift's organization of 78,000 men and women processes and markets the products we buy from you. Out of the average sales dollar, during the year, Swift employees received. . . . **13.1 cents**

For supplies we paid out last year \$125,225,094. This includes a wide variety of necessary items . . . fuel, electricity, containers, spices, sugar, salt (6 million dollars' worth of salt in a year), etc. The cost for supplies, per average sales dollar in 1954, was. . . . **5 cents**

For transportation we paid out \$66,435,539 last year. Products must be moved—often great distances—to match the supply with demand. Our transportation costs per average Swift sales dollar, for the year 1954, amounted to. . . . **2.6 cents**

For taxes—federal, state, local, including unemployment insurance and old age benefit taxes—we paid out last year \$33,234,696. Taxes are

a large part of our cost of doing business these days. Our total tax bill was actually greater than our net profit. Out of the average Swift sales dollar for 1954, taxes were. . . . **1.3 cents**

For other expenses in 1954 we paid out \$99,762,732. These are necessary business costs not classified above . . . interest on borrowed money, depreciation, telephone and telegraph bills, rent and advertising. From the average Swift sales dollar, these costs were. . . . **4 cents**

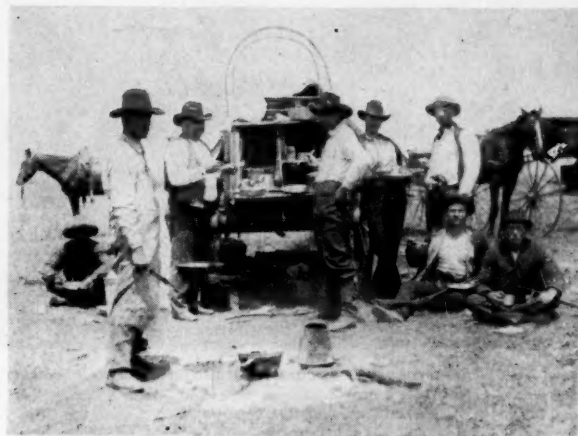
Net earnings in 1954 were \$19,050,891. This profit was used in two ways—for future business needs and dividends to shareholders. Net earnings, per the average Swift sales dollar for '54, were. . . . **8/10 cent**

Chuck Wagon Tales



By HENRY C. HARDING

As Told to Guy Harding Goodman and Wilda Warren



Early day chuck wagon scene.

IF "necessity is the mother of invention," it was certainly so in the case of the chuck-box, for, in the beginning of the cow-hunts, the pack-horse outfit sufficed for the work on the range. Then progress, always in the minds of men, called for more supplies, more cooking utensils and greater convenience. Nowadays, some bright fellow would see opportunity for big business, but the old-time cattlemen adhered to the old customs until necessity forced them into improvements. So the wagon and the camp cook became the vogue among the bigger outfits. But the smutty pots and other fire utensils became the bane of the camp cook's life. He had no place to put them, except in the wagon among the beds, supplies and the cowboys' wardrobes, all of which were blackened by the contact. Then someone invented what was known as a "kaiak," a beef-skin stretched under the wagon in which to store the pots.

Then came the chuck-box, and it was a box; at least the first one I ever saw was. There was a Negro camp cook named Goat in the outfit of Johnny Blocker,* who had moved a herd up from near Austin, and located a ranch—free range—just above us on the Colorado River. Goat had selected a goods box from the back of a dry goods store in Austin; had bored holes in it, placed it in the back end of the wagon, after the end-gate had been discarded; ran the wagon-rod through the holes to fasten it securely, and built compartments which took care of the soda, salt and other condiments, as well as knives, forks, spoons, plates, and so on. This box didn't fit snugly into the back of the wagon, being a little too narrow, but a block of wood filled in the vacant space and held it fast. Then he took the lid of the box and fixed a standard under it so it served as a table when let down. Later,

*Johnny Blocker of Austin, Texas, was one of the biggest trail drivers in Texas. One year he had 52,000 head of cattle on the trail to the Northwestern markets, at one time. He also owned several cattle ranches. At one time he was the world's champion roper.

(Note: The following is taken from "Tales of the Range," being the experiences of Henry C. Harding, originally written by the late Guy Harding Goodman and edited by Wilda Warren. Copyright by Henry C. Harding.)

"mess boxes" were made by skilled cabinet makers, which were practically portable kitchen cabinets, and fitted perfectly into the back of any standard wagon.

I was out in line-camp once, with a Scotchman called Mac, not long from the old country. We did our own cooking, made sour dough bread, coffee, broiled our beef, and had the usual sorghum molasses. Sometimes Mac and I would just make our supper out of such cold food as was left from the other meals. One evening I noticed that he had taken all of our sour dough pones, some of them several days old, and had put them into a hot oven and baked them to a char. Taking it out then, he poured sorghum molasses over it. I watched him with interest, but when he began eating it, I protested:

"I don't see what you want to eat that stuff for."

"Ah, me lad," he answered, "that's fine to smoke awfter."

Sour dough was the standard bread of the camps, because it was easy to keep always handy to make fresh bread. We didn't have biscuits in the camps because we never—or rarely—had any milk. Sour dough is a yeast bread. You peel a raw spud and scrape it to a pulp. Put in a little sugar or molasses and mix a little flour and water with it, and put it into a vessel to be used regularly for the stock. Place it where an even temperature can be kept—a mild, warm temperature—and let it set until it thoroughly ferments. We usually kept ours in a little keg or crock. We covered it with a piece of "duckin'" held in place with an iron hoop. We usually used a keg with the chuck wagon and set it on a little shelf built onto the side, fastening it to the side of the wagon with an iron rod bolted fast, so it wouldn't jostle.

When ready to make the bread, the cook filled his bread pan with flour and

sprinkled in salt according to the amount of bread he intended to make. Then he poured in enough sour dough to make a batch of bread for the meal and worked it into a stiff dough. In the meantime, he had warmed his oven and had the bottom well covered with melted lard or tallow. Then he pinched off the dough and patted it into biscuit form, dipped it into the grease and placed it up-side down in the oven. He crowded them in just as close as possible, and when the oven was full, he set it in a warm place, usually near the fire, and left it there to rise. While it was rising, he heated the oven lid very hot. With his camp shovel, he then dipped coals from the fire and spread them on the ground, not too thick, and set the oven over them. Then he spread a few coals on the lid and left it to bake while he tended his coffee, meat, etc.

This may sound like a slow process for a quick meal, but I have known chuck wagon cooks to strike camp, get dinner and feed eight to eleven men, wash the dishes (tinware) and be off within an hour's time. Of course, the horse-wrangler tends to the four mules. All the cook has to do is to mind his fire, cook the meal, holler "Chuck. Come an' git it!"—and pack up his paraphernalia.

Speaking of chuck wagon troubles, I was in camp with a cowboy once who made me do all the cooking—not by force or persuasion, but by his own pure, cussed laziness. He would not turn a hand toward cooking a meal.

We would go out on our daily rides, separate and push the cattle back across the imaginary line, then come back to camp. If he arrived before I did, he would wait until I came and cooked the meal. Well, I got pretty tired of it, so one day I went "a-visitin'"—off about fifteen miles to another camp—and told the boys that I was playing a joke on old Hood; that I was just going to let him starve to death. I remained at their camp for dinner and supper, and rode back after dark.

Arriving at our camp, I turned my

(Continued on Page 40)



Part of a herd in typical Guanacaste cattle country. Right: Small ranch house made of native stone. Some of these are nearly 200 years old.

The Cattle Industry of Guanacaste, Costa Rica

An Interesting Account of How Cattle Are Raised in This Central American Country

By J. L. BAUGHMAN

STRANGE as it may seem to those who think of Central America as a country covered with impenetrable jungle, beef production and consumption are high in Costa Rica. There the average citizen eats almost two-thirds as much beef as his American counterpart, but pays much less for it.

During the past six years at least, most of the 60,000 or 70,000 head consumed annually have been produced within the country, although, as the accompanying table shows, the ten or 15 years before the end of World War II were marked by heavy imports of beef, principally from Nicaragua. These cattle were brought in on the hoof, and fattened in Costa Rican pastures.

Cattle ranching on a large scale accounts for most income in Guanacaste province* and supplies slightly in excess of 45 per cent of the beef consumed in

*Guanacaste is a province lying on the west coast of Costa Rica, a Central American country located between Nicaragua on the north and Panama on the south.

Editor's Note: J. L. Baughman, the author of this article, lives in Rockport, Texas, and has contributed several articles for The Cattleman, the most recent of which was "The Vanishing Texan," which appeared in the December issue. This article is timely in view of the recent unrest between Costa Rica and Nicaragua.

the country. Some spreads are surprisingly large. The United Fruit Company owns Tenorio, which is 40,000 or 50,000 acres. Others have from 100,000 to 300,000. One, near Liberia, contains nearly 200,000 acres, and runs 16,000 head of cattle, and 2,000 horses and mules.

Stock ranges in quality from tough, scrawny, Criollo or native cattle to superior, graded animals, part Brahman, Hereford, or other imported breeds. In 1920 Mysore and Durham cattle were imported and crossed with the basic stock originally introduced by the Spaniards.

Later Jerseys, Herefords, Ayrshire, Holsteins, and Guernseys were introduced. Most herds show it.

Total Number of Cattle Slaughtered in Costa Rica and Percentage Imported, 1932-1948.

Year	No. Slaughtered	Percentage Imported
1932	50,274	16.6
1933	45,871	7.0
1934	44,471	10.7
1935	44,798	15.5
1936	47,382	24.6
1937	47,894	30.2
1938	46,981	5.3
1939	45,147	11.8
1940	44,898	15.3
1941	37,673	7.1
1942	51,706	15.8
1943	52,210	18.4
1944	51,257	18.6
1945	53,729	29.0
1946	59,380	14.3
1947	63,417	6.6
1948	59,660	3.6

Cowboy at ranch headquarters showing a typical saddle. Right: Five year old steers on the way to market.





Cows and calves. The animal in the foreground is being treated for "Torsalo." (Cattle grub.) Right: The cattle country is like this during the wet season. In the dry season, when trees lose many of their leaves, it is even more open, and they do not seem to have the same brush problem that is found in South Texas.

Quality of Cattle Being Improved

Quality is gradually being raised, however, even though purebred bulls, imported directly from the U. S., cannot be used in these tropical lowlands until acclimated. Most sires now are medium grade, part-blood bulls, either brought to Guanacaste from the central uplands, or raised in the province itself.

One rancher near San Carlos, in Alajuela province, which also produces cattle, had good success with cross-breeds. Half-Criollo, half-Brahman cows were bred to Red Poll bulls, producing calves which fattened more quickly, and to a heavier weight than is common in Costa Rica. However, most ranchers, who are able to buy outside stock, place their faith in Brahmans; this, judging from various herds, has been justified. European crosses apparently do not do as well as those made with Indian cattle.

Low Calving Rate

Cattlemen of Guanacaste are confronted with two main problems: (1) the low calving rate (never as high as 50 per cent and sometimes dropping as low as 11 per cent); (2) how to reduce the time needed to produce fat cattle, ready for market.

The light calf crop is due to some or all of the following reasons: Poor condition of bulls and cows at breeding time; too many cows per bull (sometimes, according to Dr. A. O. Rhoad, there were as few as two, and not more than five,

mature bulls in herds of 200 to 500 cows, the rest being bulls too young for breeding purposes, and too poor to cover many cows); poor condition of cows at calving; weakly calves; no controls over calving time; improper weaning; poor summer pastures; illnesses and parasites; predatory animals and birds; and a phosphorus deficiency, retarding bone structure.

However, Dr. Rhoad (formerly of the Inter-American Institute of Agriculture, at Turrialba, Costa Rica, and now King Ranch geneticist) has said: "there is no reason why an 80 to 85 per cent calf crop should not be obtained, with proper handling of the cattle by modern methods."

Grass the Only Feed

Animals get no feed other than grass, and are usually at least five years old, before being sent to market at an average weight of 880 pounds. Steers of this age run about 1,100 pounds.

Although some ranch lands furnish year-round pasture, generally herds are moved from lowlands to uplands during the wet season from May to November. In the dry season, December to April, they are pastured in low country, and a ranch is valued according to the proportion of each of these it contains. This preferred combination is due to the need to protect cattle adequately in both rainy and dry seasons—highlands in the event

rivers should overflow during the wet part of the year; lowlands to hold water and assure feed for the dry season. As much as a fifth of some ranch land is too wet to use during the rains.

Some cattle are kept on lowland pastures during the entire year, because these are better drained, present no danger of overflow, and have good grass at all times. Conversely, some high land is well enough watered to support stock throughout the dry season.

The cattle are so accustomed to these seasonal migrations that, on ranches with no division fences, herds go of their own accord at the usual time, although good ranching practice might dictate a delay for benefit of the pastures.

Pastures are of two kinds, planted "potreros," and native woodland ranges, or "sitios." Most improved pasture is on alluvial soils of river valleys. Para grass is one of the chief lowland fattening pastures; guinea grass is another. Grama grass is of little value, but a grass native to Nicaragua, called jaragua, is being used more and more in some areas. It is good wet weather pasture, but gets caney and is not too nutritious during the dry season. It spreads rapidly, particularly down wind, for the seeds blow easily, and grows very thickly, eventually choking out everything else.

Several minor grasses, including Bermuda, are also used slightly.

(Continued on Page 48)

Warehouse and living quarters at one of the big ranches. Right: Roads are poor, and much hauling is still done by oxteam.



RUMINANT NUTRITION

A New Challenge for the Livestock Industry

By JERRY SOTOLA and CHARLES E. HUGHES

Reprinted from Armour's Analysis, Published by Armour's Livestock Bureau.

OUR knowledge of ruminant nutrition has arrived at about the stage reached by swine feeding 15 to 20 years ago. Back in 1934, corn and tankage enabled hogs to make 100 pounds of pork out of 450 pounds of feed. Then came the adding and balancing of minerals, the animal protein factor, antibiotics, a complete balance of water-soluble and fat-soluble vitamins, and judicious use of green pastures. These innovations have opened an era in which 100 pounds of pork in dry lot is being produced with only 300 pounds of dry feed.

To the agricultural scientist, the unknowns of ruminant nutrition pose a real challenge, for they point the way to similar progress, to far more complete utilization of all kinds of coarse roughages. This challenge attains its true proportions when we realize that our country has a feed bank of 500 million acres of pasture and 90 million of hay, silage, and other forage crops. Then add the vast areas of grazing lands in the national forest and other public domain. Further, that isn't all, for Iowa alone produces from 3 to 4 million tons of corn cobs and 9 to 12 million tons of stalks—largely unsalable roughages which until recently had been held in low esteem for feeding purposes.*

The crux of our effort to exploit these untapped sources of nutrients lies within the dark recesses of the rumen or paunch of cattle and sheep. The colossal task of probing these mysteries is enlisting the efforts of more and more scientists, and this quickening of research efforts eventually can add millions of additional tons of meat to our food supply—so important for the adequate nutrition of our rapidly mounting human population.

Things We Know, or Don't

In discussing this quest for knowledge, we should review briefly a few of the findings slowly accumulated through the years, and then relate them to current discoveries and the riddles yet to be solved.

It is commonly known that the paunch of the ruminant is more than a mere storage organ for soaking roughages. Furthermore, research scientists are well aware that many unknown digestive and synthesizing processes occur within this fermentation vat located in the anterior end of the digestive tract—a position that gives the teeming microbial popu-

lation first access to the available nutrients.

From 12 to 24 hours after the feed enters the rumen, a more or less selective reflex action delivers back to the mouth a bolus or cud, which is reswallowed after a leisurely and fairly thorough mastication lasting about one minute. Cud chewing aids fermentation by producing more cracks and crevices in the food particles and exposing more surface for enzyme action.

The enzyme action helps the rumen bacteria by further disintegrating the fiber for continued digestive action. The nutrients so produced serve as food for the microorganisms.

The food then moves into the second, third, and fourth compartments of the compound stomach. The ruminant also has an auxiliary fermentation vat in the caecum and large intestine.

Digestion of Roughages

Nature intended that a ruminant have a certain amount of bulky, fibrous feed for best functioning of the rumen. Forages contain a high percentage of celluloses and hemicelluloses, and these must be digested by the microorganisms rather than the enzymes secreted by ruminants. According to C. F. Huffman of Michigan State College (1953), roughages also contain considerable quantities of

non-protein nitrogen which is of little value nutritionally unless converted into bacterial proteins by rumen microorganisms. Digestion of these microorganisms occurs as they wear out and pass farther down the digestive tract. This makes available amino acids, resulting from the hydrolysis of the bacterial protein.

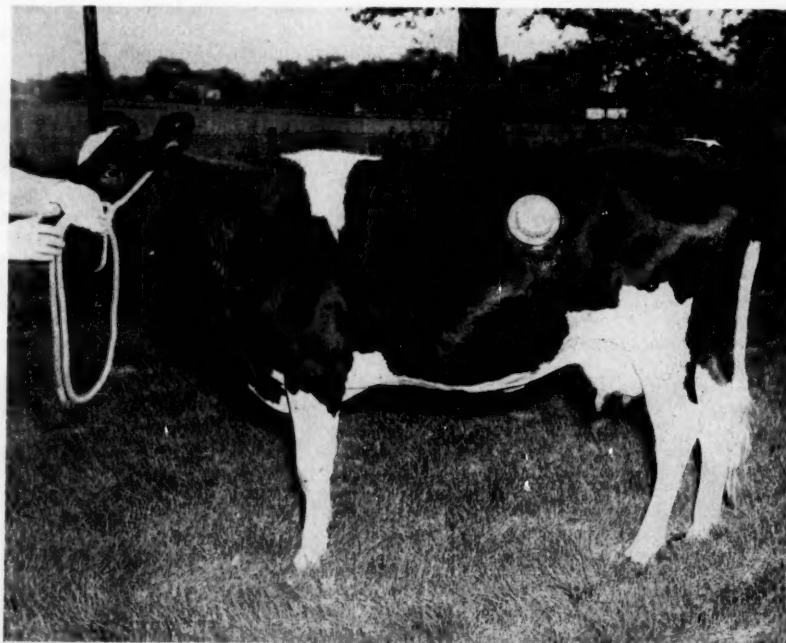
Heavy grain mixtures pass to the rumen as egg-shaped boluses and are quickly mixed with the roughage. This explodes the theory that bulk is necessary in a grain mixture.

Rumen Fermentation

The rumen and the reticulum (second compartment) are not really separate but make up a continuous fermentation vat holding about 300 pounds in a 1,200-pound cow. Everything she eats or drinks passes into this vat, where it is mixed by a violent churning action of the powerful rumen walls. Materials are constantly passing through, either into the remainder of the digestive tract or by absorption directly into the bloodstream.

Much of the liquid in the rumen is saliva, which flows constantly into this region irrespective of whether the animal is eating or drinking. A cow produces about 125 pounds a day, according to G. Bohstedt of the University of Wisconsin (1950). The saliva is alkaline (pH 8.2), with one day's secretion containing about $\frac{1}{2}$ to $\frac{3}{4}$ pound of sodium bicarbonate. Without this alkaline reaction, conditions would be unfavorable for the action of microorganisms. Saliva has a lubricating function, also, and it maintains the proper moisture conditions within the rumen.

Rumen fermentation proceeds at a remarkable pace. The sugars, starches, and other simple compounds are utilized first,



Mysteries of the rumen, one of the darkest places in the world, gradually are being explored at various experiment stations by making a fistula or opening in side of bovine.—Iowa State College photo.

*The utilization of corn cobs, corn stover, and straws in the early stages of fattening cattle results in cheap gains and is to be encouraged. However, there is no substitute for shelled corn in the later stages of fattening cattle to put on a finish which results in prime, choice and top good cattle.

and the fibrous feeds last. Most of the digestion is completed within 12 hours after feeding.

Delving into the Mysteries

Much attention now is being focused on the kinds and nature of rumen organisms, including both bacteria and protozoa. From $\frac{1}{2}$ to 1 billion protozoa can be found in a cubic centimeter of rumen liquids, and bacteriologists estimate that a teaspoonful of fresh rumen contents contains more microorganisms than the number of dollars in our national debt. The paunch also contains yeasts, molds, and actinomycetes, which gain entrance on the surfaces of the feedstuffs.

Many Kinds of Rumen Organisms

Between 50 and 60 different kinds of bacteria live inside a cow's rumen, and some of them don't even have names. The competition for survival is fierce.

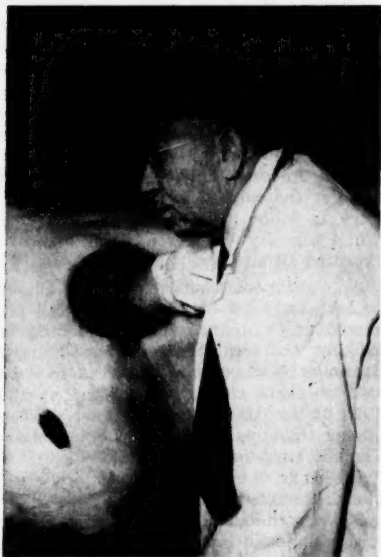
Aids to Bacterial Activity

If the nutrition of microorganisms is good, better utilization of cellulose results. The action of rumen microorganisms is influenced favorably when protein, water, extracts of alfalfa hay, complex mineral mixtures, the ash of good-quality alfalfa, and autoclaved extracts either of cow manure or rumen contents are added to the ration. A change in the ratio of concentrates to roughages requires an adjustment in the rumen microflora. The physical factors of the ration therefore are important.

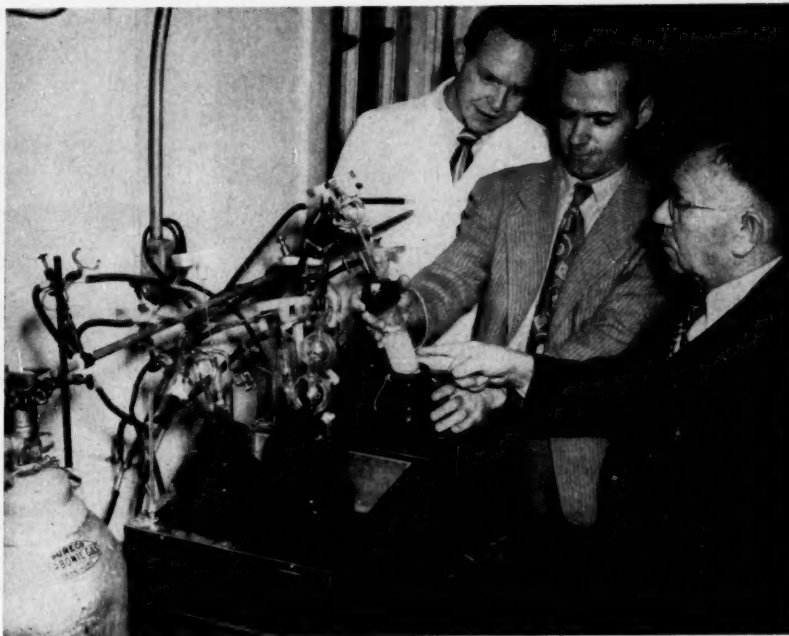
By the use of an artificial rumen it was shown that dried distillers' solubles, soybean oil meal, and linseed meal stimulate the microbial digestion of cellulose. Other feedstuffs, rated in order of effectiveness, are as follows: grain molasses, corn, wheat, wheat bran, and cottonseed meal.

When Feeding Cobs and Stalks

Corn stalks, cobs, and other cheap roughage—high in fiber and low in pro-



Dr. C. F. Huffman, Michigan State College, reaches for sample of rumen contents.—Michigan State College photo.



Laboratory equipment, simulating conditions in the rumen, is being employed on a limited scale to determine digestion of roughages and other feeds in rumens of cattle and sheep.—Michigan State College photo.

tein—are being used more extensively all the time. However, in our zeal to cut production costs, we must bear in mind that rations containing these coarse roughages call for more protein. Corn cobs, for instance, contain only 2 per cent protein, and this is only $\frac{1}{3}$ to $\frac{1}{2}$ as much as found in most cattle feeds. If larger quantities of these roughages are to be used in the future, greater supplies of protein feeds must become available.

The digestion of corn cobs by steers has been increased by the addition of alfalfa ash. The stage of maturity of the plant is also an important factor in the digestibility of the crude fiber because the fiber of the more mature plants contains many incrusting substances like cutin and suberin.

Expanding Use of Urea

Many commercial beef supplements on today's market contain urea. Some feed manufacturers would like to use even higher levels, especially when oil meals are scarce and high in price.

There is a real need for additional supplies of protein-rich concentrates in feeding our present livestock a balanced ration. About 9 million tons of oil seed cake from soybean, cottonseed, linseed, and peanuts are produced annually. An additional 4 or 5 million tons of such meals could be used, if available, and if all animals were fed an adequate amount of protein. However, there is no immediate prospect of increasing production of oil seeds, whereas urea can be made synthetically in unlimited quantities, through activating by electricity inert nitrogen of the air in a moist atmosphere, and combining it with carbon dioxide.

Meat scraps and tankage contain proteins of high biological value. They are

used most widely in rations of poultry and swine but can be incorporated with success in rations of cattle and sheep.

Bone meal, because of its favorable ratio of calcium to phosphorus and also its non-toxic nature, likewise contains some nitrogenous compounds. This product is widely used in rations of poultry, swine, cattle, and sheep. The volume of the animal protein feeds, however, is dependent upon the volume of animals being slaughtered for meat. Therefore, they must be supplemented by other sources.

How Bacteria Use Urea

When products such as urea and other nitrogen-containing non-proteins are fed, the urea is broken down into ammonium carbonate in the paunch. In a further breakdown, carbon dioxide passes off in the rumen gases, and the ammonia is taken by the microorganisms for the synthesis of protein. In this ammonia utilization, the basal feed in the ration is a factor, for the microorganisms must be properly nourished.

Ruminants recycle some urea by drawing it from their blood and passing it into the rumen with the saliva. A mature cow may pass $\frac{1}{3}$ to $\frac{1}{2}$ ounce of urea daily by this means.

Efficient Feeding of Urea

Producers, conscious of the need for cutting costs, are using more urea, but they must recognize also the requirements and limitations. The amount of true protein in the ration is important. If the mixtures or the rations already contain 20 to 24 per cent protein, it is not advisable to add urea. With adequate supplies of true protein, microorganisms do not utilize the urea nitrogen because

(Continued on Page 30)

Roper From Antelope



**Eleventh of a Series About Great Calf Ropers
—Elmer Carter Turned His Athletic Ability
Toward Rodeo and Shows Promise of
Becoming Top Professional
Roper Before Long**



By WILLARD H. PORTER



Elmer Carter of Antelope mounted on the late Snip Blake, a great calf horse that had to be destroyed last August because of a vertebrae separation and a resulting paralysis of the hindquarters.

TWENTY-nine-year-old Elmer Carter, top-hand professional roper who lives at Antelope, Texas, midway between Fort Worth and Wichita Falls, is one of the many good cowboys in the country who has turned his athletic ability toward the sport of rodeo. Standing five feet, 11 inches tall and weighing 175 pounds, Elmer is a real athlete—a natural athlete—plus being an excellent horseman. This fortunate combination has enabled him to pick up an annual calf roping income of about \$8,500 for the past several years.

It all started when Elmer was just a kid. The Carters lived at Benjamin then, and Max Gardner, a friend of Elmer's dad, gave young Elmer an old cow horse that was a perfect riding animal for children. From that day on—it was actually so long ago that Elmer doesn't remember much about it—he was one of the hands on the ranch. Carter tells stories of how he'd take his son to work with him, on the old horse, carrying his chow and a water jug to last him until late evening.

What Elmer does remember, what he'll never forget, is when he started roping. Before he was eight years old he was fitting loops around the necks of milk calves. When he wasn't chasing calves, he was going to school at Benjamin. This meant more horseback riding, for five days a week he'd travel ten miles to school and back, opening 14 gates on the round trip.

Later on the Carters moved to Thurber, where Carter still ranches, and Elmer went to high school at nearby Strawn. Here he played football, ran on the track

team four years, and played basketball two years. In his spare time he roped calves more or less for the fun of it. He didn't join the Rodeo Cowboys Association until 1949.

When he did become a member of the professional cowboys' rodeo union, he was ready to compete against the best of calf ropers. From his dad, who was an expert roper himself, Elmer received some sound training. At 12, the boy had won his first money in a jackpot calf roping at Stephenville. When he was 15, he won the junior roping and cow belling in a Seymour rodeo.

Even when Elmer was in the Navy he roped calves whenever he could, preparing himself for the day when, after his discharge, he could start roping professionally. In 1945 he was stationed with Admiral Nimitz' staff in Hawaii. That year, during the rodeo season, he won the calf roping championship of the Hawaiian Islands.

"We had several good shows over there," Elmer recalls. "A couple of marines and I made a trade with a race horse owner to take some of his horses on \$250 options to rope on. Racing had been banned and this fellow had no particular use for them. Then we got the base commander to have the Seabees move a clump of trees and build an arena. We used brig personnel to help fence it. Then we made a trade with a dairy owner to take 15 or 20 calves to rope if we supplied the feed. We got all the oats and hay we needed for free from an army unit that had horses and mules. We practiced for those Hawaii shows every day during the rodeo season. I won \$825 at a

Honolulu show and sold one of the option horses for \$750. It was sure a good way to pass the time."

Today Elmer Carter is not only one of the best ropers in the rodeo business, but also one of the most spectacular performers to watch. His good co-ordination makes his runs smooth from the moment he leaves the box until he puts the hoey on his wraps.

He believes, as do many rodeo cowboys, that Toots Mansfield and Don McLaughlin are two of the greatest ropers that ever lived. Elmer keeps an eye on these boys when they rope and listens carefully to what they have to say.

"Toots once told me," says Elmer, "to be sure to take the good throw, then hurry until you get the calf on the ground. And Don said to slow down until you get the calf's legs right for the tie. I try to follow this advice as close as I can. I also try to be ready for any unexpected situation."

An "unexpected situation" that Elmer wasn't ready for—no roper ever is—occurred at the big contest calf roping in 1953 at Bandera. Sixteen speed-hungry Brahman catchers had gathered to rope and tie eight calves apiece, and at the start of the fifth go-round Elmer was up among the boys with the low total times. Then it happened.

On his fifth run he made a quick catch and dismounted. He was heading for the calf when the slack came out of the rope with an awful suddenness. Crack! The sound of the rope breaking at the honda could be heard all over the arena, and the calf, just momentarily checked, skit-

(Continued on Page 93)

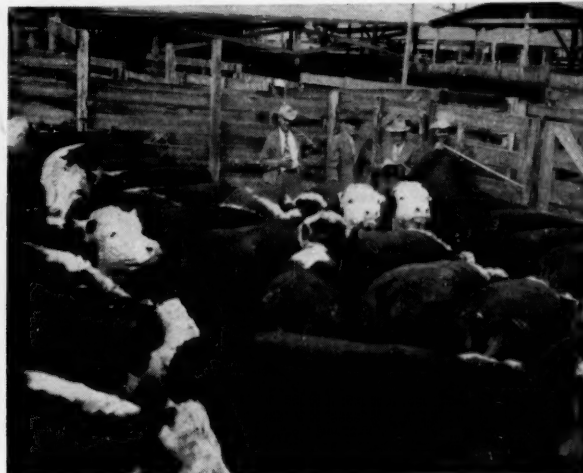
Farm Steer Beef Production



Progress Notes on Feeding Operations Being Conducted at Beeville Experiment Station



By E. M. NEAL, R. A. HALL and J. H. JONES*



Part of 40 steers fed by the Beeville Experiment Station, Beeville, Texas, that sold for \$26 per cwt. on the San Antonio Market, Nov. 1, 1954. They averaged 1099 pounds and graded choice and prime. Pictured in rear, left to right, are Ed Neal, animal husbandman of the Beeville Station; Maurice Cohn, buyer of the cattle; R. A. Hall, superintendent of the Beeville Station; and Rocky Reagan, Jr., of Cassidy Commission Co., San Antonio.

SUCCESSFUL farm steer beef production is based on efficient management of grass, stored roughages, and concentrate feeds. The weather, market situation and individual farm conditions dictate their methods of use. The goal is a slaughter steer of the desired market grade that will make the most net profit.

The Beeville Experiment Station has followed the practice of buying choice stocker steer calves each fall and carrying them through a cultivated crop grazing program consisting of field stubbles, oat and legumes and sudan before putting them in drylot for fattening. The average gain based on feedlot weights, for 6 years, 1948-1953, was 693 pounds per steer made over an average period of about 15½ months. Drylot fattening periods of around 140 days are required to produce choice grade slaughter steers when supplemental feeds have not been fed during grazing. The average net profit per steer has been \$42.98 during the six-year period, 1948-53.

1953-54 Steers

The 69 steers covered by this report made use of stubble-fields, silage, oat grazing, Hubam clover grazing, Sudan grazing and concentrate feeds. They made an average gain of 653 pounds in 14 months. The average gain by periods was 84 pounds during the 77-day weaning and stubble-field grazing period; 223 pounds during the 131-day oat season, with supplemental feeds fed for 72 days; 15 pounds during the 21-day emergency Hubam clover grazing period, with supplemental feeds fed for 14 days; 174 pounds in 103 days of Sudan grazing

with supplemental feeds fed the last 33 days; and 157 pounds of gain from 94 days in drylot on a fattening ration. The steers averaged choice slaughter grade on the market and sold for an average price of \$25.37 cwt. The net profit was \$56.96 per steer.

Purchase Information

These choice steers were bought as calves from the R. P. Lucas Estate, Berclair, Texas. Forty head averaging 459 pounds were received July 20, 1953, and 29 head averaging 471 pounds were received November 9, 1953. The price was 18½ and 16 cents per pound for the 40 and 29 head, respectively, with a 3 per cent shrink in weight allowed. The averages for both lots are: purchase date September 5, 1953; weight 464 pounds; price \$17.43 per cwt. or an average cost of \$80.88 per head.

Weaning and Stubble-Field Grazing Period

The 40 calves bought in July were fed in drylot the first 49 days and received an average daily ration of 22.5 pounds silage, 3 pounds sorghum gluten feed and 1 pound ground milo. The next 77 days they grazed stubble-fields, mostly second growth sorghum, and were fed about 1 pound sorghum gluten feed and 1 pound ground milo daily per head. Field stubbles are usually low quality feed. Normally it is a good practice to supplement calves on this type pasture. During the weaning and stubble-field grazing period of 126 days, an average gain of 128 pounds per steer was made or an average daily gain of 1.02 pounds.

The 29 calves bought in November were fed in drylot for 10 days, then dehorned and castrated and turned on oat-alfalfa grazing. Their ration in drylot was approximately 20 pounds silage, 2 pounds cottonseed meal and 2 pounds

ground milo. They showed a loss in weight of 8 pounds per head for the 10-day period.

Figured on the basis of steer days, the 69 calves averaged 33 days in drylot and 44 days on sorghum stubbles and made an average gain of 84 pounds per steer in the 77-day period.

For the past two or three years the station has weaned calves on green chopped sorghum roughage which is cut daily with an ensilage harvester and fed with a ration of 2 pounds cottonseed meal and 2 pounds of ground sorghum grain. This practice has proven to be extremely successful and calves so handled start eating immediately and have made good weaning gains. On occasions in the past, sickness and some death loss have been experienced when young calves were weaned on silage and the same allowance of concentrate feeds.

Oat Grazing and Feeding Period

The 29 late calves were turned on oat pasture November 19, while the 40 big calves were put on oat grazing November 23. This figures an average oat turn on date of November 21, the earliest date in the history of station steer program. Credit for the early date is given to favorable weather conditions and the application of 16-20-0 fertilizer under the seed band at planting time.

The oat season ran from November 21 to April 1, a period of 131 days. Extremely dry weather retarded growth and made supplemental feeding necessary. Good grazing was furnished for the first 40 days. On December 31, the steers were pulled off the oat pastures and fed in drylot for 23 days. An average ration of 30 pounds silage, 2 pounds cottonseed meal and 2 pounds ground milo was fed. They were returned to oat pasture on January 23, and grazed oats without supplemental feeds to February 11. On

*Respectively, Assistant Animal Husbandman, and Superintendent Substation No. 1, Beeville, Texas, Professor Department of Animal Husbandry, College Station, Texas.

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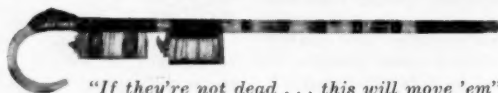
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this date grazing was again becoming short and a daily supplemental ration of 10 pounds silage and 4 pounds of ground milo was fed to the steers on oat pasture until the grazing was depleted on April 1. Oat pasture normally lasts until May 1.

The average gain for the oat season was 223 pounds per head. This gain was made from 1.4 acres of oats plus 238 pounds of milo, 46 pounds cottonseed meal and 1180 pounds of silage.

Supplemental Hubam Clover

Grazing Period

Normally the oat and Sudan grazing seasons overlap. The 1954 drouth cut the oat season short by 30 days. On April 1, the steers were turned on 36 acres of Hubam clover which was in full bloom and continued on their daily allowance of 10 pounds of silage and four pounds of ground milo until April 15. An inch of rain on April 9 caused the oat pastures to make new growth. Feeding was stopped on April 15, and the steers were given access to the oat and Hubam fields until put on Sudan pastures April 22. The average gain for this 21-day period was 15 pounds per steer.

Sudan Grazing and Feeding Period

All steers grazed Sudan grass without supplemental feeds from April 22 to July 1, a period of 70 days. Grazing was abundant and of good quality. An average gain of 114 pounds per steer was made.

By the first of July the Sudan grass was becoming coarse and of poor quality. An average ration consisting of 2 pounds cottonseed meal and 3.88 pounds of ground milo was fed to the steers on Sudan pasture during July. The average gain for July was 60 pounds per head. This makes a total gain of 174 pounds per head for the Sudan season.

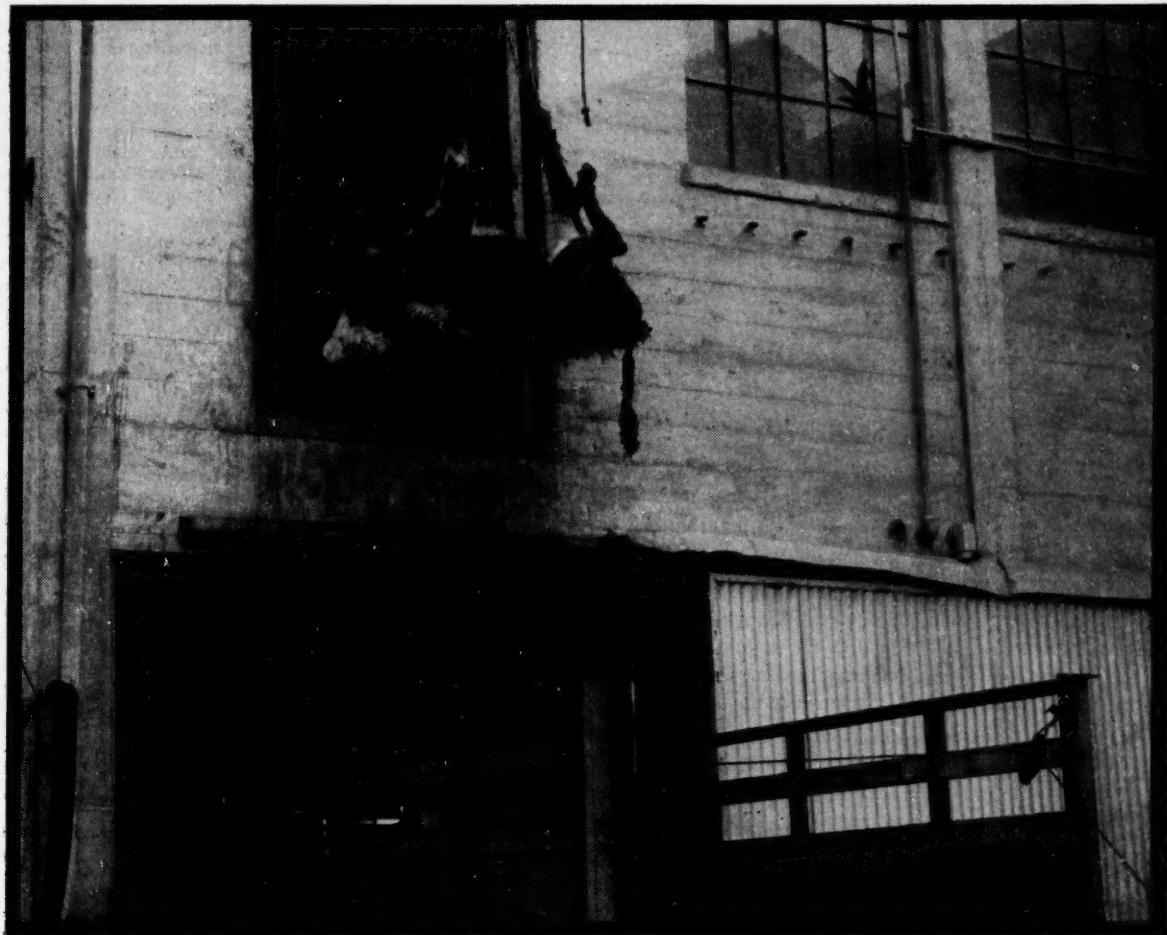
At the end of the Sudan grazing period the 69 steers averaged 960 pounds and had received supplemental feed for 163 days out of the 299-day grazing program. As a result of the supplemental feeding the steers were carrying more finish than any steers handled recently by the station. Had the steers been sold at this time at their appraised value of \$20.50 cwt., they would have made an estimated net profit of \$19.28 per steer.

Drylot Fattening Period

These steers were fed in drylot for an average of 94 days and made an average gain of 157 pounds per steer or an average daily gain of 1.67 pounds. They consumed an average ration of 10.85 pounds ground sorghum grain, 1.78 pounds cottonseed meal, .85 pounds ground alfalfa hay, and 18.2 pounds sorghum silage. The cost of gain in drylot was \$29.19 cwt., which is high due to the low rate of gain. The drylot feeding period, however, was profitable since the steers sold for an average price of \$25.37 cwt., an advantage of \$4.87 cwt. over the August appraised value of \$20.50 cwt. As a result the drylot fattening period made a net profit of \$37.68 per steer.

Marketing Information

Forty steers were topped from the 69 head and sold on the open market in San



The Point of "No Return" (to you)

Sure, the carcasses a renderer hauls away bring in a few bucks, but the same number of dollars probably would have protected an average herd against *both* blackleg and malignant edema.

Each year countless animals end up at the rendering plant because they were vaccinated just against blackleg — *not* against malignant edema, a disease with virtually identical symptoms but caused by a different organism. That's why Cutter developed Blacklegol® "S"

You can easily protect against *both* of these "near twin" killers with just one 5 cc. dose of

Blacklegol "S". Your animals get long term immunity against blackleg *and* malignant edema at little more cost than blackleg vaccine alone.

And Blacklegol "S" is Alhydrox®-fortified. Alhydrox, a Cutter exclusive, retains the vaccine in the animal's tissues longer, releasing it slowly to build peak immunities that hold even in the face of epidemic outbreaks.

Ask your Cutter Veterinary Supplier to reserve your Spring supply of Blacklegol "S". It's just that easy to avoid sending animals to the point of "no return."

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IN THE 'COPTER



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Bell helicopter has saved harvests by speeding the repair of combines. It is unexcelled for fast, safe, practical transport of personnel and cargo.

Farmers all over the world rely on Bell helicopters for thorough dusting and spraying. It is the fastest, most efficient, lowest cost method to increase crop yields, kill costly weeds, fertilize, reseed and destroy insects and parasites.

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Antonio, November 1, 1954. They were bought by the Quality Packing Company for the Handy Andy Stores of San Antonio, at \$26.00 cwt. They averaged 1139 pounds in Beeville at 5 p. m., October 31, and 1099 pounds in San Antonio. This is a shrink of 3.58 per cent en route to market. The hot dress yield was 62.68 per cent. The USDA cold carcass grading was 11 prime and 29 choice.

The remaining 29 steers were sold to Swift and Company on November 9, for delivery November 12, at \$25.00 cwt., with 4 steers out at \$21.00 cwt. This figured an average price of \$24.45 cwt. These steers weighed 1087 pounds at the station and 1036 pounds in San Antonio, which is a marketing shrink of 4.71 per cent. The hot dressing percentage was 63.26 per cent. The USDA cold carcass grading was as follows: 4 prime, 6 choice and 19 good.

The marketing averages on the 69 steers were: Station weight 1117 pounds; market weight, 1072 pounds; shrink, 4.04 per cent; dressing percentage basis hot carcass weights 62.92 per cent; carcass grading 15 prime, 35 choice, and 19 good; and an average market price of \$25.37 cwt.

Both bunches of steers were given their regular rations in the morning before being loaded for shipment at 5 o'clock in the afternoon. On arrival at the San Antonio yards they were given access to water and fed 2 bales of prairie hay to the load. Both groups of steers were market weighed between 9 and 10 a. m.

These steers were bought as 464-pound calves at an average price of \$17.43 cwt., and sold for an average price of \$25.37 cwt. This is a margin of \$7.94 cwt. Therefore, \$36.84 of the \$56.96 net profit is a margin profit. This leaves a production profit of \$20.12 per head.

A study of the financial statement, however, will show that there is actually more take home money than the \$56.96 net profit shown. Each steer was charged \$5 per acre land rent for 2.63 acres of grazing land and \$10 per ton for the silage consumed. Silage can be grown and saved at around \$4 per ton. Therefore, a credit of \$13.15 for land rent and \$11.10 for silage can be given each steer. On this basis the take home money is \$81.21 per steer.

A net return of \$27.72 per acre was realized from the 2.93 acres of land used per steer in the program. This figure is based on 1.4 acres of oats, 1.23 acres of Sudan and .3 acre of sorghum silage.

Prickly Pear an Emergency Feed

SINGED and chopped prickly pear, supplemented with cottonseed meal and alfalfa hay, proved to be a satisfactory emergency sheep ration at the Texas Experiment Station at Sonora, Texas. The test ewes were fed a daily ration of 11.49 pounds of singed and chopped prickly pear, 0.35 of a pound of cottonseed meal and 0.34 of a pound of alfalfa at a cost of \$3.92 per 100 ewes daily.



*Stronger, faster growing calves
stronger, thriftier cows —*

FOR ONLY ½¢ PER COW PER DAY— with MoorMan's Range Minerals

MoorMan's Range Minerals are a scientific blend of 12 base and trace minerals—all the minerals cattle on range are known to need.

AIDS DIGESTION by activating bacteria in the cow's paunch—helps her get more feed value out of range and roughage.

AIDS THRIFT by supplying minerals needed to maintain the frame of the mother cows and at the same time build strong, thrifty bone structures in calves.

AIDS MILK PRODUCTION by preventing reduction of milk flow due to mineral deficiency, thus assuring plenty for calves.

AIDS REPRODUCTION—mineral deficiency is often the reason cows fail to calve. MoorMan's can help increase your calf crop.

MOORMAN'S RANGE MINERALS ARE LOW IN COST:

Because MoorMan's Range Minerals are so highly concentrated they are low in cost. Two to 3 pounds per head per month—a cost of ½¢ a cow a day—is all you'll need. Remember MoorMan's Range Minerals are designed specifically for range cattle. That's why they're so effective.

MoorMan's Range Minerals come in two forms—GRANULAR, to prevent waste from washing or blowing (packed in 50

lb. bags)—BLOCKS—weighing 50 lbs. each. Many cattlemen find a combination of both advisable.

ASK YOUR MOORMAN MAN ABOUT MONEY-SAVING CONTRACT PRICES. Or, if a MoorMan Man isn't available write, wire or phone, Moorman Mfg. Co., Dept. B5-2 Quincy, Illinois.

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KANSAS

Ruminant Nutrition

(Continued from Page 23)

they prefer the more complete nutrient. Feeding urea at high levels results in diuresis and kidney damage, along with symptoms of acute toxicity, as observed by J. R. Reid at Cornell University (1953).

The most efficient use of non-protein nitrogen is reached with rations containing low levels of protein, such as those in the 9-12 per cent class. Adding non-protein nitrogen to increase the protein level to 18 per cent results in fairly efficient use.

Another factor is the type of carbohydrates fed. Some authorities hold that starch is superior to sugar for ruminants utilizing urea. Yet, urea-molasses feeds, aside from the nitrogen that they contribute to the ration, also make the ration more palatable.

Protein from hay of intermediate quality and when supplemented with urea, results in average urea utilization. The degree to which cellulose is digested has a definite influence.

Fourteen pounds of urea plus 86 pounds of corn are equal in protein value to 100 pounds of soybean meal. However, from the energy standpoint, 115 pounds of urea mixture are required to supply as much energy as found in 100 pounds of soybean meal.

The protein equivalent of urea is extremely high, with one pound of the compound being converted to 2.62 pounds of bacterial protein. For this reason, the variable content of natural protein ingredients can be adjusted by only small changes in the urea content.

The Role of Minerals

An adequate supply of phosphorus is important for a proper rumen digestion. Trace minerals also are needed, especially when poor-quality roughages are being fed.

Only minute amounts of trace minerals are required and an excess supply of these elements in the ration may retard rather than stimulate growth.

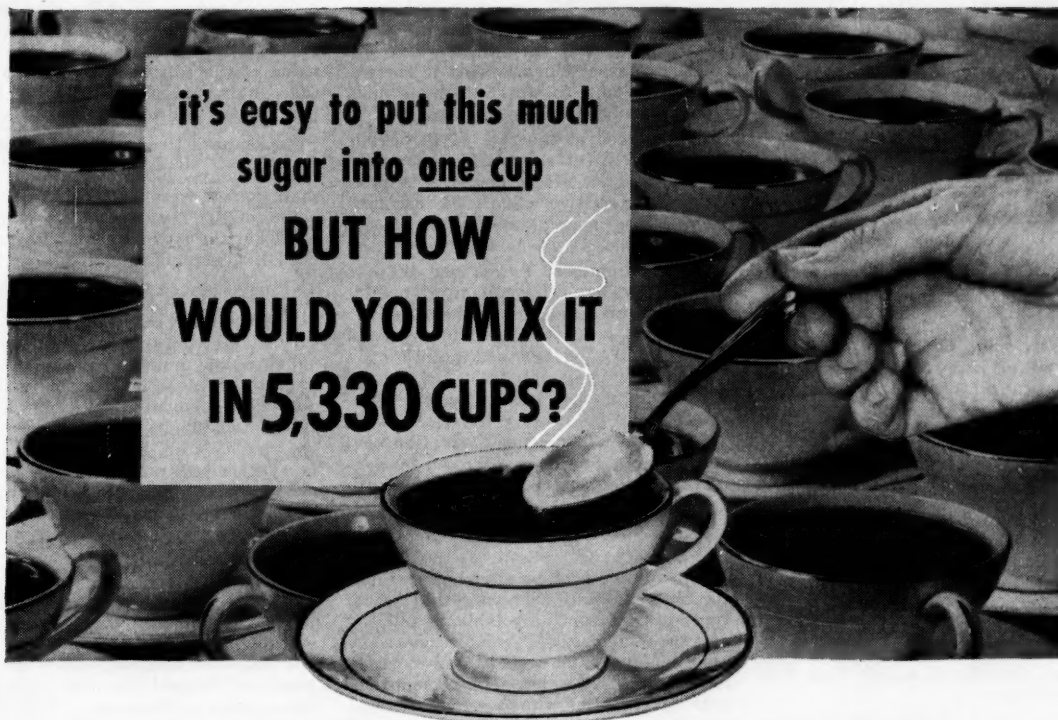
Cobalt Most Needed

Among the trace minerals, cobalt is required in greater amounts of ruminants than for any other farm animals. Cobalt is used especially by the bacteria to build Vitamin B₁₂, of which it constitutes about four per cent of the molecular weight, and it is known to improve the palatability of urea rations. Perhaps more cobalt and smaller quantities of iron, copper, manganese, and zinc would constitute better trace mineral mixture.

Grains are very low in cobalt, and some of the oil meals contain only 0.2 to 0.4 parts of cobalt per million. Dehydrated alfalfa is particularly rich, while oats and barley hays are low in this mineral.

Need Sulfur in Urea Utilization

Urea nitrogen is not well utilized if sulfur is lacking in the ration. While data on the sulfur content of feeds on which to base intelligent recommendations are not available, it is felt that



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The Food and Drug Administration in its approval for use of stilbestrol has set about $\frac{1}{3}$ oz. per ton as the right amount for this powerful growth stimulant. That means it is added in the proportion of only 1 part to 90,800 parts. It must be mixed so that cattle get just the right amount... too little stilbestrol in their ration won't produce maximum gains... too much in their ration can prove toxic. Yes, it is a big mixing problem for most feed companies—but not for Purina with its exclusive Micro-Mixing process.

MICRO-MIXING is accurate to the **1/10,000,000 part!** Modern mixing equipment plus the technical skill of Purina engineers, laboratory technicians, and mill employees make such a mixing job routine for Purina. Purina's Micro-Mixing is a quality control process that assures you every bite is mixed just right. Every animal gets its fair share when you feed Purina Steer Fatena or Beef Chow with stilbestrol added. That means that you go to market with a much more even bunch of cattle.

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every bite mixed just right.**

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1/10 of a per cent of sulfur in a ration will insure good utilization of non-protein nitrogen.

A protein may contain a mineral element, such as sulfur or phosphorus, needed by the microflora in the synthesis of bacterial protein. Through supplying of minerals needed in cellulose digestion, urea utilization may be stimulated by unlocking additional energy for rumen bacterial development. The energy content of the protein itself may aid cellulose digestion directly and thus aid urea utilization indirectly.

With urea, sulfur should be supplied to build methionine and cystine. P. B. Starks, University of Illinois, found in 1953 that sulfur improves the body gains of lambs. In all observations, sulfur-deficient lambs had a poor appetite and lost their wool. Further symptoms consisted of excess lacrimation, profuse salivation, dullness, weakness, cloudy eyes, emaciation, and death.

Inorganic sulfur in the form of sulfates has been as effective as the sulfur in methionine in aiding urea utilization by microorganisms.

Alfalfa-mineral pellets containing 20 per cent urea have been fed successfully to cattle at the University of Nebraska. Of course, these were mixed with corn in the final ration.

When test lambs received 92 per cent of their nitrogen needs as urea, they gained from 0.31 to 0.34 pounds per day when the rations were properly balanced with respect to other nutrients. Treat-

ment of lambs with copper sulfate leads to destruction of their rumen protozoa, and, as a result, they utilize less efficiently the protein and urea in the rations, according to work at the Illinois Agricultural Experiment Station.

When added at the rate of 10 pounds per ton of sweet sorghum silage, urea had a favorable effect upon the palatability and nutritive value. The carotene content was more than double in the treated silage six weeks after ensiling.

Using 30 pounds of urea per ton was satisfactory, but raising it to 50 pounds per ton of green matter made the silage unpalatable until the flavor of ammonia disappeared. The low palatability of a high-urea supplement may be a good characteristic, for it may prevent overeating.

Interrupted feeding or starvation conditions for a few days, followed by generous feeding, interferes with urea utilization.

Other Nitrogenous Feeds

While urea at present is the largest source of non-protein nitrogen available for cattle feeding, there are three other types of compounds available, as follows: ammoniated distillers' solubles, ammoniated furfurals and ammoniated molasses beet pulp. These have been compared with mixtures of alfalfa, soybean meal, and urea, and they seem to be as well used as the urea in observations by R. McCall of the Quaker Oats Company research division.

One thing to remember is that the am-

moniated compounds have a tendency to depress the digestibility of other inorganic nutrients. As a result, the energy value of the ration is lowered and additional nutrients must be supplied to compensate for this reduction.

Compare Urea with Substitutes

Ammonium bicarbonate and ammonium sulfate were compared with urea as substitutes. The former was equal to urea, but the latter was not. Nitrates are used like urea by ruminants.

Rumen Makes B-Complex Vitamins

The ruminant carries a vitamin laboratory at all times, manufacturing ample supplies of amines, riboflavin, niacin, pantothenic acid, pyridoxine, folic acid, Vitamin B₁₂, biotin, and Vitamin K. Riboflavin and niacin can be synthesized in the rumen in six hours. The Vitamin B₁₂ is synthesized rapidly when ruminants are fed solely on hay, but cobalt of course is needed in this synthesis.

Frequency of Feeding

The frequency of feeding may be much more important in ruminant nutrition than we previously realized.

In an experiment conducted by Gordon and Tribe of England, sheep were fed 1 pound of chopped hay and 1½ pounds of concentrate mixture daily. Eleven sheep, comprising one group, got the whole ration at once, while eleven other sheep had their feeds apportioned at 60-minute intervals for 8 hours. The first group gained 18 pounds during nine weeks,



PICTURE THIS BEAUTIFUL 16 FOOT ALUMINUM "LIFE-TIME" GATE

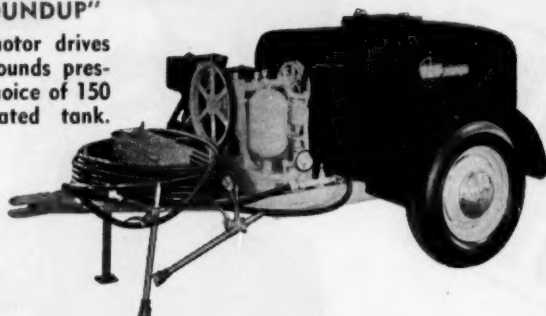
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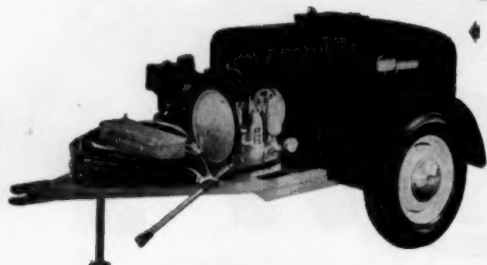
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Powerful 6 H.P. motor drives pump up to 600 pounds pressure easily. Your choice of 150 or 250-gallon treated tank. Complete with hoses and nozzles; ready to work on any size herd. This is the rancher's favorite.



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Powered by 4 H.P. motor. Up to 500 pounds pressure. 150-gallon tank capacity. A workhorse of a sprayer . . . complete and ready to go.



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All-purpose economy sprayer with 100-gallon tank capacity. Up to 250 pounds pressure.



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BOX 448

while the second lot gained 96 pounds. Then the lots were reversed. During the next nine weeks the single-feeding group gained 33 pounds, while the group fed hourly gained 151 pounds.

What We Know About Bloat

In the microbial digestion of carbohydrates, large amounts of carbon dioxide (CO₂) and methane (CH₄) are produced in the rumen. Normally these gases are belched out. When the belching mechanism fails, bloat results.

Two types of bloat have been demonstrated. In one, known as the "frothy" type, an excessive accumulation of gas is held as small bubbles surrounded by tough walls, producing a "frothy" emulsion. These bubbles, consisting of saponin compounds, adhere together preventing the gas from escaping. This type of bloat has been effectively treated through the administration into the rumen of methyl silicones.

A second type of bloat is characterized by the accumulation of free gas. This gas accumulation may be due to lack of scratchy, coarse (scabrous) roughage, necessary to stimulate belching (eructation). The danger of bloat is minimized by using pasture mixtures containing less than 50 per cent legumes. Palatable grass hay placed in easily accessible racks in the pastures reduces the danger of bloat in sheep and cattle.

Latest Bloat Theory

Some claim that bloat is due to spasms of the lower end of the esophagus, preventing escape of gas. The latest theory, however, is the mechanical or buoyance concept. Heavy feeds like immature alfalfa or ladino clover settle to the bottom of the rumen in a compact mass. The ensuing fermentation liberates many tiny gas bubbles which are trapped and tend to buoy the mass above the opening of the lower end of the esophagus, preventing the escape of gas.

Knowledge of ruminant physiology is still in its infancy, for great advances lie ahead. We have vast tonnages of cheap roughages literally going to waste; we have in prospect increased acreages of grasses and legumes, the result of crop acreage restrictions and soil conservation efforts. With a more complete understanding of the theory of ruminant nutrition, we can make far more efficient use of the forages.

Such developments are of untold importance for all mankind. To the producer, they mean lower-cost production; to the packer, a greater volume of slaughter; and to the retailer and consumer, a larger supply of meat.

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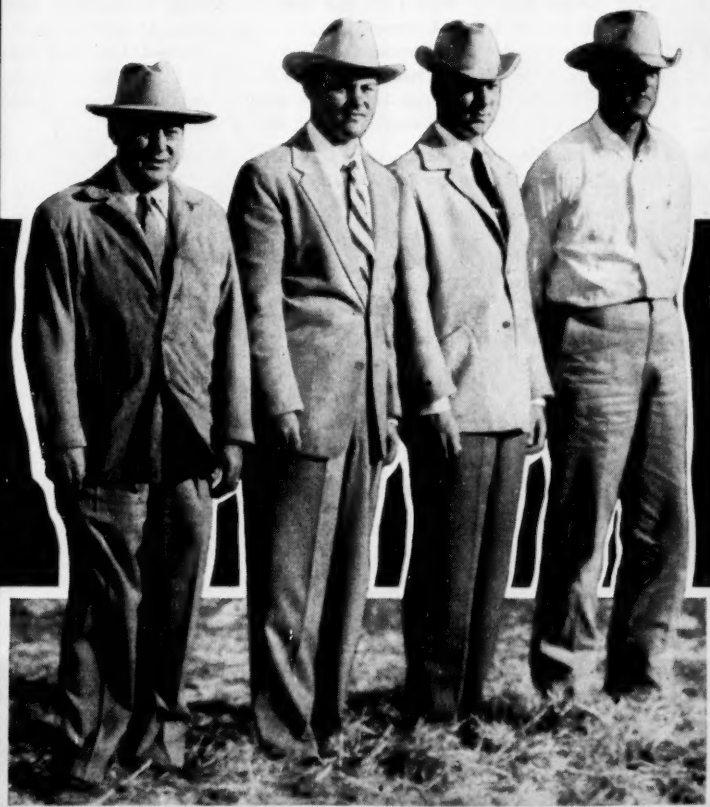
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NOTE

FOR

1955



MAKE A DATE WITH THE "88th"

SELLING 30 SONS, 5 DAUGHTERS



TR ZATO HEIR 88th

By the great Register of Merit, TR Zato Heir, the "88th" was champion at Denver and Fort Worth in 1953 and topped the 1953 Denver Sale at \$42,000. He is doing a championship job of siring the right kind of calves, as shown by the records in the show and sale ring. His first calf, TR Royal Zato 27th, was reserve champion bull at the 1953 American Royal. The "27th" was also champion at Tulsa and Dallas and first in class at the American Royal in 1954 and first in his class at Denver this year. Another son was champion at the 1954 New York State Fair, and a daughter was 1954 champion female at West Virginia State Fair. The first and second place senior bull calves at the 1954 Eastern National Show were also by the "88th." He was sire of the grand champion steer at Denver, 1955, and sire of the second prize junior get of sire at Denver, 1955. Note the group of junior and summer bull calves shown below left. Four of these won top honors at Denver—they all sell.

The same type and quality will be offered in our sale February 19—opening day of the San Antonio Show.

★ SELLING:

36 BULLS ★ 60 FEMALES

- 30 of the bulls are sons of TR Zato Heir 88th.
- 4 are sons of the Register of Merit sire, TT Royal Triumph.
- 2 are sons of our famous Medina Triumph 55th.
- 55 of the heifers are carrying the service of TR Zato Heir 88th.
- 5 are open daughters of the "88th."

Write for Catalog and Reservations

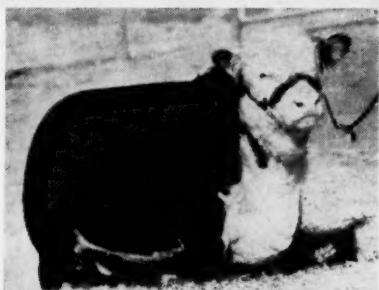
STRAUS-MEDINA

Sale will be held at 11 A. M. at the ranch, 25 miles west of San Antonio, Texas, on Highway 86. Go 17 miles west and turn right on Highway 86. Road.

FEB. 19th



55 FEMALES BRED TO THE "88th"



88 ZATO HEIR 5th sells as Lot 1, was first at Beeville, second at Dallas, third at Kansas City last year and sixth at Phoenix this year.



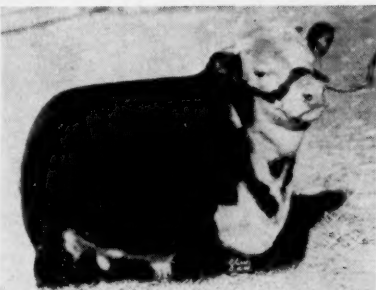
88 ZATO HEIR 23rd. He was fifth at Phoenix and sixth at Denver this year. Sells as Lot 8.



88 ZATO HEIR 6th. Sells as Lot 3 and is out of a Real Prince Domino-Monty Domino bred cow.



88 ZATO HEIR 17th—Sells as Lot 9. He is out of a daughter of the Register of Merit TT Royal Triumph, she out of a Monty Rupert cow.



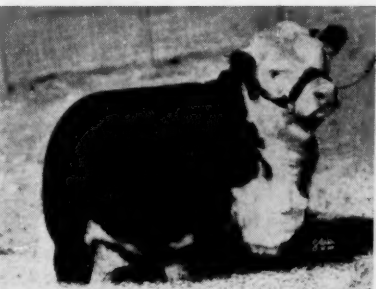
88 ZATO HEIR 14th—Sells as Lot 12. Another of the outstanding sons of the "88th" that sells.



88 ZATO HEIR 26th—Sells as Lot 11. He stood eighth at Denver and eleventh at Phoenix—a truly outstanding summer calf.



88 ZATO HEIR 1st—Sells as Lot 2. A senior calf by the "88th" and out of a Reals Lad 18th-Anxiety Jr. cow.



88 ZATO HEIR 9th—Sells as Lot 5 and is out of a daughter of Monty Rupert.



88 ZATO HEIR 7th—Sells as Lot 4 and is out of a Bourbon Domino-Beau Blanco bred cow.



MAKE A DATE WITH THE "88th"

SELLING 30 SONS, 5 DAUGHTERS



88 ZATO HEIR 4th—Third at Denver and fourth at Phoenix. We are keeping this outstanding prospect for our junior herd sire.



88 ZATO HEIR 8th—Another son of the "88th" that shows the good qualities that have made his get so popular. He sells as Lot 7.



88 ZATO HEIR 2nd—Sells as Lot 6 and is the second son of the "88th" dropped at our ranch.



88 ZATO HEIR 16th. Sells as Lot 15 and is out of a Beau Blanco-Monty Vagabond bred cow.



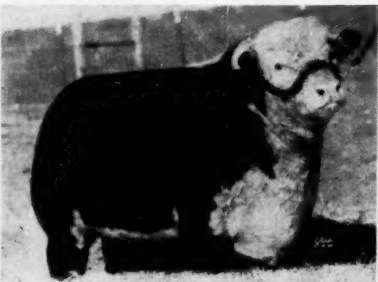
88 ZATO HEIR 25th—Sells as Lot 10. He was tenth prize summer bull calf at Denver.



88 ZATO HEIR 33rd—Sells as Lot 18. Out of a Beau Blanco-Monty Rupert cow.



MEDINA TRIUMPH 136th—Sells as Lot 22. By the Register of Merit TT Royal Triumph. He was fifth at Dallas and Kansas City last fall.



MEDINA TRIUMPH 40th—Sells as Lot 21. By TT Royal Triumph and out of a Monty Rupert cow.



MEDINA TRIUMPH 200th—Sells as Lot 23. Another of the outstanding sons of TT Royal Triumph that sells.

STRAUS-MEDINA

Sale will be held at 11 A. M. at the ranch, 20 miles west of Phoenix, Arizona, on Highway 98. On 17 miles west and 3 miles south of Phoenix Road.

FEB. 19th



55 FEMALES BRED TO THE "88th"



STRAUS ZATO LADY 815th—One of the good daughters of the "88th." Sells as Lot 64.



STRAUS ZATO LADY 813th—By the "88th" and out of a daughter of TT Royal Triumph. Sells as Lot 68.



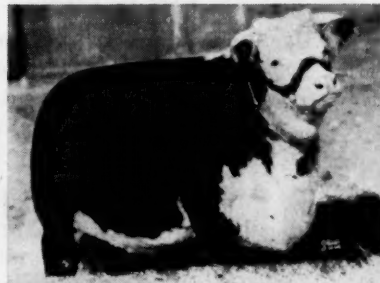
STRAUS ZATO LADY 803rd—Sells as Lot 60. She was third prize junior heifer calf at Dallas last fall.



TR ZATO HEIRESS 403rd—a daughter of TR Zato Heir and sells bred to the "88th."



MEDINA BEAUTY 507th—She was second at Phoenix, third at Dallas and fourth at Kansas City. Sells bred to the "88th."



STRAUS ROYAL LADY 133rd—She was fourth at Kansas City and Phoenix and sells bred since June to the "88th."

THE OFFERING

- 30 of the bulls are sons of TR Zato Heir 88th.
- 4 are sons of the Register of Merit sire, TT Royal Triumph.
- 2 are sons of our famous Medina Triumph 55th.
- 55 of the heifers are carrying the service of TR Zato Heir 88th.
- 5 are open daughters of the "88th."

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5. They are solid black in color.
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7. They are not bothered by flies, ticks and lice.
8. They have a high dressing percentage for meat.
9. Mothers give good milk and calves make rapid growth.
10. They grow larger than most breeds.
11. They are easy to handle.
12. Our Brangus are good breeders because they are from the most popular blood lines today: MANSO.
13. The Brangus Association is the fastest growing Association of cattle breeders in the world today—BAR NONE!

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FRANK & FRED EDWARDS, Dept. CM 55, Box 7306, Dallas 9, Texas

All Progressive Ranchmen Read The Cattleman.

Chuck Wagon Tales

(Continued from Page 19)

horse loose and crawled into bed with old Hood. By that time I had begun to feel just a little bit sorry for him. But next morning I found that he had poured my entire stock of sour dough into a frying pan, had fried and eaten my dough yeast and nothing else, not even coffee or meat. My sympathies vanished and if he hadn't been twenty years my senior, I would have unloaded some vile wrath upon his old soul.

Another time Old Hood went to town and put on his periodical drunk. After he had been there long enough to get it out of his system—or in, I never could tell which—they sent me to bring him home. When sober, he was the most reticent human—if human. As we returned, he was just loaded enough with what we called "chain lightnin'" that he talked freely, though blubberly. We came to the river and found a rise coming down, and it was pretty near to swimming our horses. I told him to stop talking, adding, "You drunken old fool! Watch your horse, or you're going to drown!"

He ceased palavering until we had crossed the river, and then he trotted his horse up beside mine and said:

"Henry, I ain't no drunken fool, but I've got uh-uh sort of a s-s-sober sick on me right now!"

Uncle Jim Paremure, of Abilene, told me this one at a cattleman's banquet, in comparatively recent years. He told it for the truth and I reckon it was for, in the first place, Uncle Jim was a mighty good man. He was the father of the Baptist Church in Abilene and, for that matter, a leader in the church wherever he happened to worship.

He had ranches in different parts of Texas and one as far west as Arizona. He visited each ranch at intervals and drove a team hitched to a buggy or buckboard, as occasion demanded, on these trips. He took along for camp equipment, a bedroll, coffee pot, and such provisions as he needed to last a day or two in case of emergency. He had prepared for one of these trips into the north Panhandle country and was about ready to start from his office to Abilene when a big, red-muzzled fellow, a life insurance agent who had familiarly attached himself to Uncle Jim, approached him and asked permission to go along with him. He hoped that he might be able to sell some life insurance to some of the boys on the ranches. Uncle Jim said that the fellow would weigh nigh onto three hundred pounds, mostly adipose tissue, but he accepted his bid and took him along with him.

They traveled all day and, just before night, they came upon the 6666 chuck wagon outfit. All of the cowboys knew Uncle Jim and loved him, so they insisted on his staying all night with them, which invitation he was glad to accept. The boys helped him unharness his team while they talked of general range conditions and happenings.

(Continued on Page 44)

DO YOU KNOW HOW TO BALE FOR 2-WAY PROFITS?



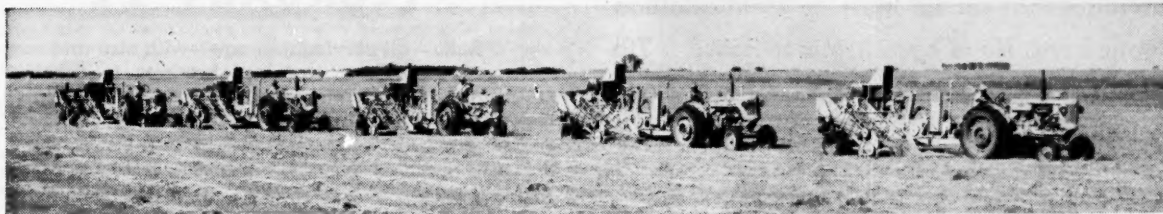
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FEBRUARY 22

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History and Lore of
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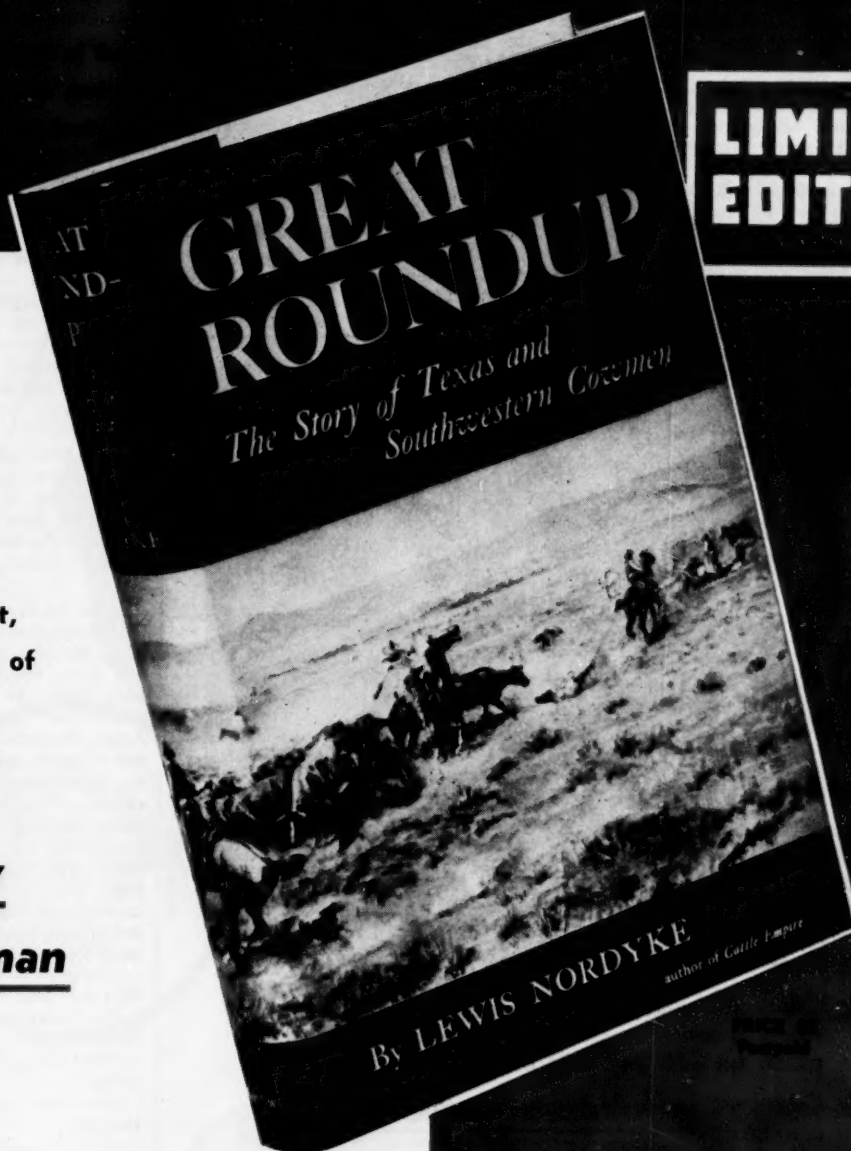
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After supper they all sat around the camp and talked, sang songs and told stories until bed time, when each fellow began to hunt out his "hot roll," as he called his bedroll, and pick a soft place to make down his bed. Most all of them selected places within a radius of twenty to thirty feet of the chuck wagon. Uncle Jim, too, got out his bedroll and made it down near those of two of the cowpunchers, and all retired for the night.

The fat insurance agent hadn't any more than "hit the hay" until he began a raucous, rasping, snoring and kept it up until far, far into the night. He made such a terrific struggle of it, and so much noise that all of the camp was kept awake. We just laid there and listened

to his variations. Finally he choked, snorted, gasped and made a death struggle, flopped over and remained as still as death. In the bright moonlight one of the cowpunchers raised up on one elbow and craned his neck over, peering intently. Someone softly inquired:

"What happened?"

The cowboy settled back into his bed with a deep sigh and answered:

"D --- him! He's dead!"

Mose Hays was an old-time cowpuncher and cattleman, now passed on, who lived his last years in San Antonio.

He had worked long and hard as a cowboy and had saved up his money, with which he established a ranch on Mission

Creek, a short distance from Higgins, in the eastern Panhandle of Texas. He said that one time he was summoned to serve on the jury for a week in District Court at Higgins. On Monday morning, the jurors all appeared in court and were qualified and sworn in and instructed by the court to remain from day to day throughout the week, subject to call for service.

Mose remained for several days and answered the roll call every morning, but had not been called to serve on any jury. So, early one morning, before breakfast, he decided to get his horse from the livery stable, lope out to the ranch and see how everything was getting along. Upon arriving at the ranch, he found things not running to his liking and became interested in getting them straightened out; consequently he lost sight of the passage of time and the court's orders.

Court was called that morning at nine o'clock. Mose failed to answer his name when called. The judge, a typical western jurist, firm in his rulings, yet affable when off the bench, ordered a fine of one hundred dollars assessed against Mose Hays.

Mose finally returned to his duties at the courthouse and was notified of the fine. He offered no excuse at the time, but when court was adjourned for the noon hour, he took a position at the courthouse steps and waited. As the judge descended the steps, pecking each one with his cane, Mose, waiving formality, approached him with a long line of excuses. They walked along together, the judge looking down, pecking the board walk with his cane and saying nothing. Mose continued his explanations, seemingly without effect. The judge kept on saying nothing. Finally, just opposite the saloon door, Mose paused for a moment and said:

"Judge, I'm going in here for a drink. Will you join me?"

The judge looked up at Mose and, for the first time, spoke:

"Now, Mose Hays, you have said something!"

Mose said that he afterward remitted the fine.

Another story frequently told around the camp fire was told to me by Dick Nail, for the truth.

Dick said that when he was about seventeen years old, he worked for his brother over in the Indian Territory on Cache Creek, where his brother had a large grazing lease from the government through the Indian Agency. This brother, Jim, lived in Fort Worth, Texas.

One fall he had planned a hunting party for some of his friends but, just as they were ready to entrain for Wichita Falls, where they would take buggies and teams across into the Territory and on to the ranch, he was suddenly called away on important business and couldn't go with the party; so he told them to go on and gave them a letter to Dick, who was to show them the game and attend to their needs.

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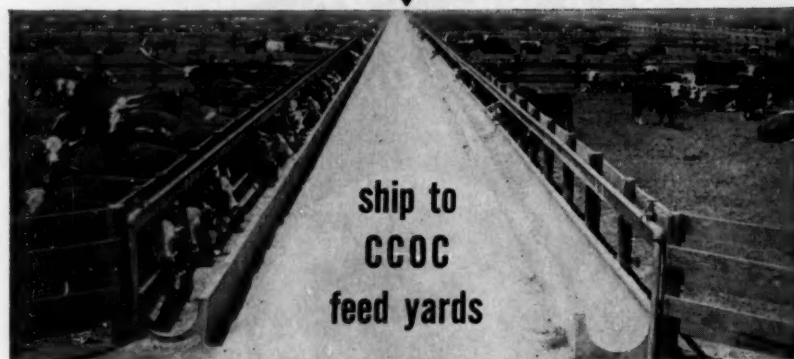
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The party was well supplied with all kinds of good eats and drinks. They proceeded to the ranch and gave the letter to Dick. He gave them the usual warm welcome; told them there was no latch-string to hang on the outside of the door, as there was no latch, not even a door, but that they were welcome just the same. They insisted on striking camp out in the wide open, in a beautiful grove along the stream and invited him to be their guest at the camp while they were there. He accepted.

The next day Dick showed them the deer and the quail and for a week or more they killed these to their heart's content; but for some reason the wild turkeys were hard to locate. Eventually, he found a wild turkey roost and showed it to the hunters and told them to prepare to be at the roost just at daylight the next morning to shoot the turkeys, as they would fly off. So the plan was perfected and the next morning they got up and dressed in their hunting clothes. But a big frost had fallen during the night. The air was crisp and the morning drinks didn't seem to drive the frost out of them, so they raked up a lot of dead leaves against an old rotten log and set them afire. They warmed their hands by the fire and were about ready to go shooting turkeys, when they discovered that Dick was still in bed. They roused him, but he begged off on the grounds that he preferred to sleep; that they knew where to find the turkeys; and that he could shoot turkeys any time, but that he really needed his beauty sleep. So they went on without him.

Dick said the fire in the old log had evidently disturbed the insects and other inhabitants and that they were obliged to seek other quarters. He said that he owned an old bird dog that usually slept on the foot of his bed when he was camping out. After the hunters had gone, he felt something heavy moving around on his feet, but thought nothing of it, supposing it to be the dog. He dropped off into peaceful slumber and slept until sun-up. He awoke breathing hard, as if something was depressing his breath. Finally he opened his eyes and there, coiled upon his chest was a big diamond-back rattlesnake, with its head within six inches of Dick's face and licking out its tongue.

You have to know Dick to entirely appreciate this story. His own dark, quick eyes were darting about when he got to this point, where he ended the story. Then he asked:

"Do you know what I did?"

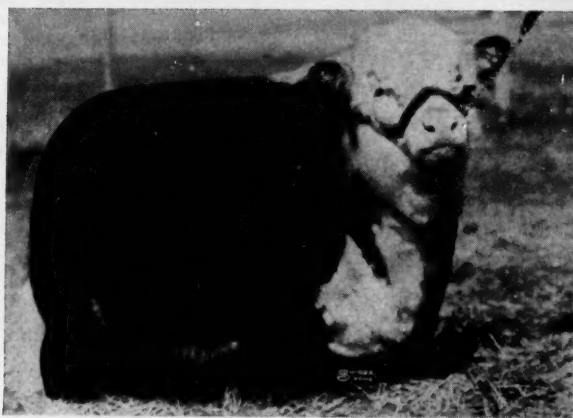
In a gasp, I said, "Man, no! What did you do?"

And Dick quietly answered, "I went back to sleep."



4 HEAD...BRED TO PRODUCE.

HE SELLS



SHR LARRY RETURN 293rd

This outstanding bull is by our Circle H Larry 66th (pictured below). He was first at three major shows last season—Fort Worth, Houston and San Antonio—and was reserve champion at Beeville this fall. A truly top individual and a real prospect—see him at San Antonio.

SELLING ONE SON OF ▶

SHR RETURN 279th, by the "85th" and out of a Publican Domino 4th cow. He was second at Houston, fourth at San Antonio and Fort Worth and third at Kansas City last season. He carries the smoothness and quality you will like.

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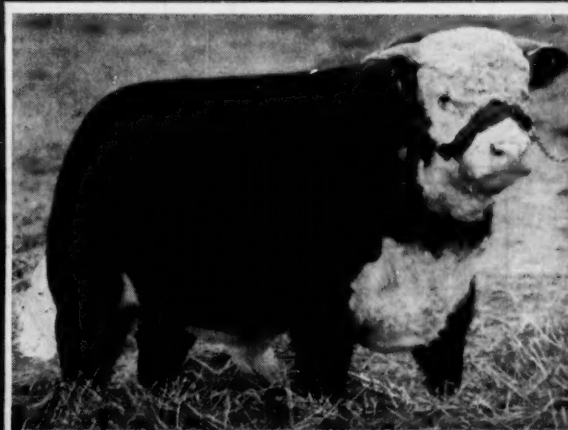
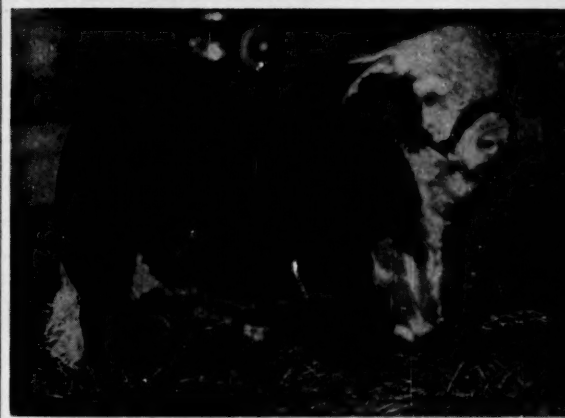
Two top daughters of Circle H Larry 66th sell at San Antonio safe in calf to Prince Publican 85th. Be sure to look over this top offering.

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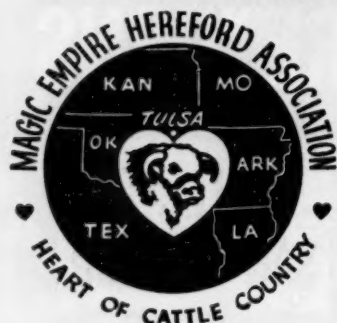


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Costa Rica

(Continued from Page 21)

Native range is of several types, varying in their carrying capacity. Ten to twenty acres per head is generally required. During the dry season cattle subsist to some extent on fruits, and beans of native trees. Quality of stock varies in proportion to the amount of native range used, compared with that which has been converted into potreros. Often 75 per cent or more of a ranch is unimproved pasture, and on this, near the end of the dry season, the tall coarse grasses are frequently burned, to make way for new growth.

Ranching difficulties are many, but probably no greater than in this country, only different.

The wet season—dry season swing makes it necessary (under the present hacienda system or lack of it) to move herds with the rains. In the dry part of the year there are feed shortages and lack of water. Both these conditions could be corrected, as could the lack of phosphorus. The annual rainfall varies. From 1926 to 1939 the least was 41 inches, the most 120, with an average of about 72.

Feed may become an acute problem from December to April, if it is unusually dry, and cattle may even be short of water. In exceptionally wet years calves die, grass is injured, leguminous plants are killed, and mature stock gets thin because they take shelter from rain and floods on higher but poorer pastures.

Insects Are a Problem

There are also insect pests: cattle ticks, screw worms, mosquitoes, black flies, and a big cattle fly, tabano, but these can be controlled by means used in this country. No dipping regulations are enforced.

Another, the warble, or cattle grub (*Dermatobia hominis*), is a somewhat different proposition. This seems to run in zones. At the Inter-American Institute of Agricultural Sciences, Turrialba, which lies on the Atlantic side of the Costa Rican watershed, we saw some terrible cases of infestation by this parasite.

Here, in experimental pastures, one very popular American breed appeared to be especially subject to warble attack, and was almost eaten alive with these pests—sides, backs, and bellies of the animals being a solid mass of "torsalo", as the Costa Ricans call it. In the next pasture were purebred Brahman, some of them from J. D. Hudgins at Hungerford, which were practically free of the grubs.

Preliminary tests have shown that Brahman are highly resistant to such infestation, far exceeding any other breed in this respect. New born calves of all breeds are particularly susceptible to these parasites, but, even with animals this young, it has been shown that Brahman get considerably fewer torsalo than any other calves, from their third month on.



★ **TR ZATO HEIR**

Picture taken in pasture at 6 years of age

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- ★ Grand Champion Steer—by a son
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"I set the feeder up last night and put it in my pasture. We had a heavy rain last night and it was just the thing for my salt and mineral were dry and not washed away this morning."

WARREN H. COOK
Nevada, Iowa

NOTHING BEATS....

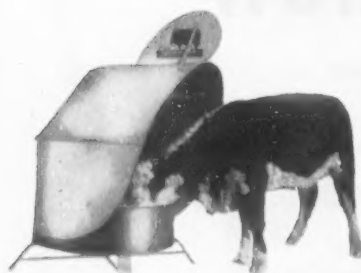
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On the Pacific watershed, where Guanacaste lies, infestation is not so bad. Nevertheless, here, as at Turrialba, there was no question about the efficacy of Indian blood as protection against this disgusting pest. Cattle that showed a Brahman cross had far less warbles than even the Criollos, which are largely of European ancestry. It is probable that this comparative immunity may be a decisive advantage for Brahmans over other breeds in such areas.

Torsalo is found in British Honduras, where it is called "beefworm", and is abundant from Guatemala to northern Argentina.

Predatory Animals

In parts of the wooded Guanacaste uplands, an occasional animal is lost to jaguars or pumas, while coyotes, alligators, and buzzards kill a calf now and then. However, the high price of alligator hides has done much to keep these reptiles under control, and losses are small from all these sources combined.

There are some rattlesnakes. Bushmasters and coral snakes also occur, but the poisonous snake problem is apparently no worse, if as bad, as it is in Texas.

The Labor Situation

Much of the labor has migrated from coastal pasture lands in Nicaragua—largely without benefit of passport or tourist card—forming the southern counterpart of our own wetbacks. It is not unheard of for Costa Rican officials to appear and order part of the employees on a ranch back to their own country. These people are supposed to be Indians who originally pushed down to coastal plains of Nicaragua and Costa Rica from more densely populated plateaus in the north and east. They are very dark, and probably have a strain of Negro blood handed down from the Zambos, who were crosses between escaped Negro slaves and Indians who inhabited river valleys on the Atlantic side of Nicaragua during the seventeenth century.

These cowboys rarely leave the haciendas, except to make short trips to little towns like Canas and Bagaces. Their food consists of rice, beans, tortillas, plantains, coffee strong enough to take the hair off a dog, cheese, and an occasional dulce. They are rough on cattle and horses, not too dependable, and many of them take every chance to get "muy borracho." Under good supervision they are capable, but, of course, must be carefully selected.

The problem on Guanacaste ranches is to make the job attractive enough, without upsetting the present wage structure, to hold these men, and to have a waiting list to choose from, so that "sorry" ones can be replaced. Because of this, and because many of them wander from job to job, it has become customary for them to furnish their own saddles, machetes, and similar gear.

Wages are low. Division foremen on one large ranch are paid \$26.25 a month; head cowboy, \$20.75; cowboys, \$15; peon cook, \$6.00; and the ranch clerk, \$52.50. All these get free board. Daily employees, who also get board, are paid as follows: Head peon, 75c a day; peons, from 52½

to 60c, depending on the degree of isolation of the ranch; skilled carpenters, \$3.00; semi-skilled carpenters, \$1.50; unskilled carpenters, 90c. Peons work seven hours at this wage, cowboys are on call at any time. When you pay cash and board your men, the law permits board to be valued at one-half the cash wage per day. As it costs only 19 to 20c to feed an individual on the average hacienda, there is a little balance (about 8 or 10c per man, per day) in the employer's favor. On some of the big places, which may employ as many as 200 or 300 men, this amounts to a substantial saving during the course of a year.

Because of unrest in Nicaragua, and tremendous population increases in Costa Rica, numerous drifters are coming into the area, and it is easy to have squatter trouble, unless the rancher is alert. Provisions of Costa Rican law are such that, unless the squatter is ejected before he gets a chance to make any improvements, and within a very short time after he enters a ranch, it takes considerable legal procedure to remove him. Some of the big ranches retain a lawyer to handle all legal work, to watch the political trends, and look after the ranch's interests in such cases. This retainer runs from \$75.00 to \$100.00 a month.

Horses Are Small

Horses used on the ranches are small, but tough. Use of country mares with good Quarter Horse stallions ought to produce excellent stock, heavy enough to handle cattle. I saw three men tie to a bull with these ponies and they did little but aggravate him. Five of them finally worried him down. All of these horses are rough. There isn't one in the lot that has any sort of a gait. Half-a-day is all they are used at a time.

The saddles, which stockmen claim must be without horn or cantle for brush work, may be all right. Certainly they can ride on them, although when a horse pitches, cowboys hang on with legs, hands, and teeth. However, I believe an ordinary stock saddle could be used just as well, and would be a lot more efficient. Few men wear spurs; all carry machetes; and most have small whips made of rawhide thongs, or a tree branch, which they use as a quirt.

They use 60 or 65-foot ropes, with which a quick tie is made to a loop in front of the saddle tree, when they rope anything.

The Market for Beef Cattle

The market for beef cattle from Guanacaste is on the densely populated Meseta Central. About seven-tenths of the people in Costa Rica live on this elevated plateau, which comprises about one-tenth the total acreage in the country. This is the coffee-raising area.

Practically all animals are handled at the great market in Alajuela, 14 miles west of the capital, San Jose.

Prior to opening of the Pan-American Highway, which although not completed, affords a connection between Guanacaste and the Meseta Central, shipment of cattle was a slow and laborious task. When

HEREFORDS**HEREFORDS**

DISPERSAL SALE

800 HEAD

Registered and Commercial Herefords

DELHI, LA. ★ MARCH 1st

Sale at 10 a. m.

(During the Northeast Louisiana Fat Stock Show)

★ REGISTERED:

The registered cattle were picked from the fine herd owned by Olvey Hereford Ranch, Harrison, Ark. and Tallulah, La., also Lakeland Farm, Bethany, La., as heifers 2 to 3 years ago.

- 2 Herd Bulls, 3 and 5 years old
- 50 Cows, 25 calves at side
- 7 Bred Heifers
- 15 Yearling Heifers
- 9 Yearling Bulls
- 6 Bull Calves
- 12 Registered Range Bulls

This registered sale will feature the get and service of Q. C. Plus Reality calved Jan. 6, 1951. This bull made an outstanding show record as a junior calf in 1951-52, and winning grand champion, Ouachita Valley Fair, 1951, reserve champion 1952, first at Delhi 1952, second at Baton Rouge 1952 as a junior calf. He is half brother to the reserve champion bull at Denver 1949 and the first prize 2-year-old cow at 1948 International. His first calves have been shown only at the Ouachita Valley Fair, winning first senior heifer calf, 2 junior heifer calf, 1 junior bull calf, 1st pair of calves and 3rd get of sire.

★ COMMERCIAL:

We are also selling 290 head of 4-year-old commercial cows. This group of cows have 200 calves by their side and will have approximately 75 more calves by sale day. We originally had 550 head of 2-year-old heifers purchased in fall of 1952. These 290 head have been carefully selected from original herd. This herd has been tested and vaccinated for everything. All cows that had horns have been dehorned. We can assure you that this is one of the best herds of commercial cows in the South. We are also selling 12 registered range bulls that have been on this herd and 300 yearling steers.

Delhi, La. is only 25 minutes from the airport at Monroe. Free transportation will be furnished. Cars marked J. O. "Red" Willett Pipe Line Stringing will be waiting at Northeast Aviation Hangar on Northwest Site of Selman Airport.

Don't bring your lunch!

Don't bring your lunch! Free Bar-B-Que — all Hereford, raised on Wagon Wheel Farms will be served at Sale Barn.

WAGON WHEEL FARMS ★ MONROE, LOUISIANA

J. O. (RED) and ZOE WILLETT, Owners

NOW AVAILABLE

First Quality Imported Cuban

BLACK STRAP CANE

MOLASSES

WHY FEED MOLASSES?

1. Molasses makes roughage more palatable. Its addition to feed induces cattle to eat roughage they would normally refuse. This reduces waste and makes more feed available.
2. Molasses cuts total feed costs. It can be substituted in feed for up to one-third of the more expensive carbohydrates, such as corn.
3. It can be fed free-choice to go along with dry winter grass.
4. It is rich in energy value and is readily eaten by livestock.
5. It can be fed free-choice, in mixed feeds, poured on roughages and serves well as a grass silage preservative.

FEED MOLASSES THIS WINTER

AND SAVE MONEY

Cattlemen: Contact us concerning your Molasses needs while attending the San Antonio Livestock Exposition, Feb. 18-27. Our office phone number is Capitol 69253.

Write for Information

MOLASSES TRADING CO.

MAIN OFFICE:
1316 East Houston Street
San Antonio, Texas
Phone: Capitol 69253

B. G. MUELLER
Vice-President & Gen'l. Mgr.

STORAGE
FACILITIES
Corpus Christi, Texas
Phone: 38718



TR ZATO HEIR 246th

Look to HHR for Quality

A top herd of registered Herefords featuring a top son of the Register of Merit TR Zato Heir.

We usually have young breeding stock for sale. You are cordially invited to visit us and inspect our cattle.

HERRIN HEREFORD RANCH

RANCH LOCATED AT WEIMAR, TEXAS

Owner, R. T. HERRIN, President, Herrin Transportation Company, Houston, Texas

Your brand is your coat of arms, but it is of little use unless it is recorded.

ready for market, they were driven to river ports such as Bebedero, and loaded on barges, where each one was tied, to keep them from milling, and upsetting the barge. They were then towed down river, into the Gulf of Nicoya. Sixty to 100 miles down the coast, depending on where they started, they were unloaded at Chacarita, after an eight or ten hour trip. From here they were driven the short distance to the railroad, and were shipped by train to Alajuela.

Today, except from easternmost Guanacaste, where some herds are still trailed to market, they travel by truck on the highway. This is a marked improvement over the old method, whereby some cattle were taken off pasture as much as a week before they were auctioned, and, as a result of the long trek to the auction ring, lost 15 to 20 per cent of their weight, or even, in some cases, died. Now bobtails rumble back and forth over the mountains; animals get to market in much better condition, and not nearly as many are lost. No six-wheeler has yet been used; curves on the road are too short and too frequent for trailers.

Of course, market prices vary, but these quotations, taken from Costa Rican daily papers for July, 1953, seem to be fairly representative:

Cattle Prices in the Alajuela Market:

July, 1953

Steers	990-1100 pounds	\$8.86 a cwt.
	935-990 pounds	8.52 a cwt.
	880-935 pounds	8.18 a cwt.
Old cows	770-825 pounds	7.15 a cwt.
	715-770 pounds	6.82 a cwt.
	660-715 pounds	6.47 a cwt.
Old bulls	7.50 a cwt.
Oxen	7.84 a cwt.

Grading Not Practical

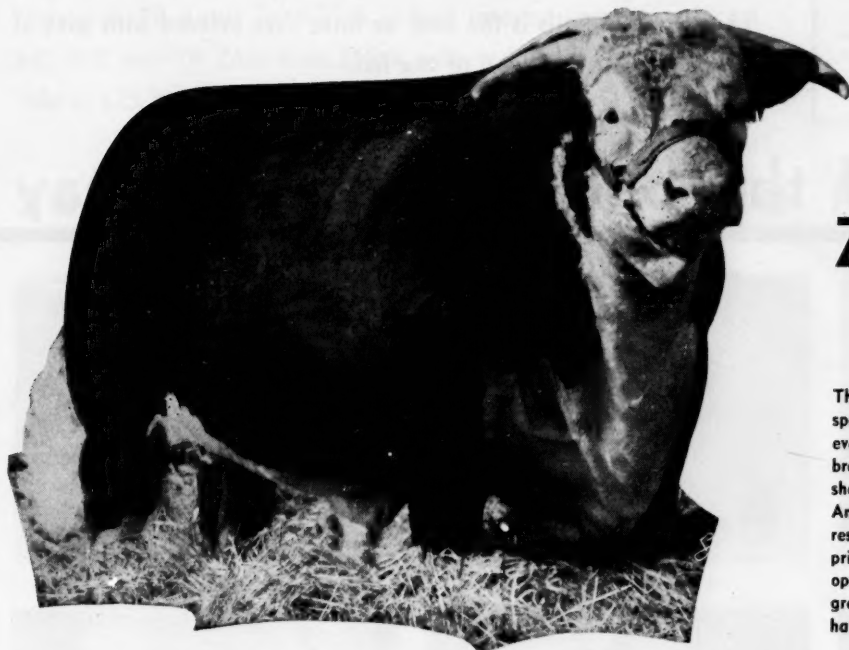
Cattle in Costa Rica are not graded according to quality, but are sold strictly by weight, as these figures show. Sales are about 500 to 600 a week, but the market could, according to a prominent cattleman, absorb another 200 to 300 head if they were available. These animals average a weight loss of 58 per cent in dressing. Ali meat is boned before being sold by the butcher shops.

Refusal to grade meat on quality is reflected in the attitude of many cattlemen, who refuse to cull. To them a cow is a cow, whether she's worth a darn or not. They are confirmed in this by a law passed when the government was attempting to discourage importation of cattle. This law prohibits sale of any cow less than six years old, unless incapable of producing calves, or otherwise defective.

This cattle industry is very old. It has developed in Guanacaste from colonial days, when, by 1751, there were already 25,778 head of cattle, and 6,568 horses and mules in the country. As early as the seventeenth century, meat and tallow were being exported from the Nicoya region to Panama and Nicaragua. Profits were high enough to cause this trade to continue through the entire colonial period. In the 19th century, however, a decline set in, and it was necessary to import meat. For one thing, cattle had been

(Continued on Page 60)

TR ZATO HEIR 27th MEMORIAL SALE



TR
ZATO HEIR
27th

This great son of TR Zato Heir has been responsible for two of the highest Hereford sales ever held in the state. His get shown by other breeders have won top honors at such major shows as Phoenix, Dallas, Fort Worth and San Antonio. At Denver this year a daughter was reserve champion female and a son was first prize senior bull calf. This will be your last opportunity to select sons and daughters of this great sire. This is the best group of bulls we have ever offered.

SELLING 65 HEAD

MARCH 7th ★ GREENVILLE, TEXAS

Included in this year's offering are 18 sons and five daughters of the "27th". Sons and daughters of this great sire are being used in herds from California to Virginia—from Texas to Oregon. We have received many complimentary remarks about the outstanding job breeders have received from the get of the "27th" purchased in our previous sales. Plan to be with us and select from our good offering this year.

Write for catalog

J. P. McNATT,
Owner

McNATT HEREFORDS
GREENVILLE, TEXAS

R. M. HALL,
Mgr.

MARCH 7th Your **LAST CHANCE** to buy

25 Bulls — 40 Females

Sale at the farm located on paved Farm Road just south of Lone Oak, which is 15 miles south of Greenville on U. S. 69.

Sons of TR Zato Heir 27th are siring top calves in herds across the nation—from California to Virginia—from Texas to Oregon. This group of bulls is the best we have ever offered with sons of the "27th" at the head of the list.

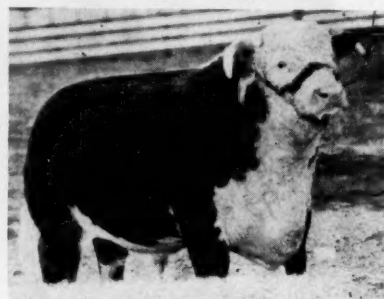
A portion of the bull offering you may



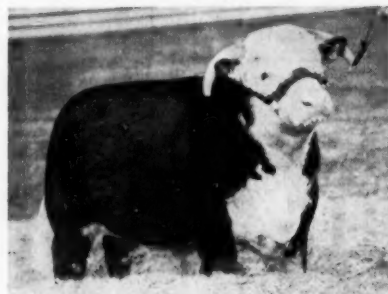
M ZATO HEIR C-1



M ZATO HEIR 79



M ZATO HEIR 17



M ZATO HEIR 39



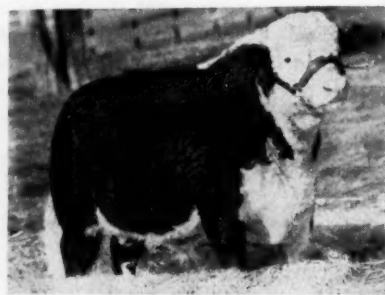
M ZATO HEIR 62



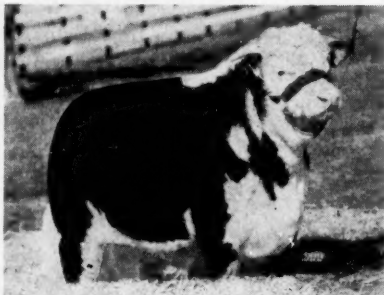
M ZATO HEIR 41



M ZATO HEIR 67



M ZATO HEIR 60



M ZATO HEIR 66

J. P. McNATT,
Owner

McNATT HEREFORDS

sons of the great TR ZATO HEIR 27th

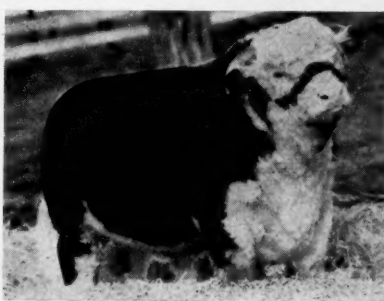
Selling 18 sons and five daughters of the "27th" along with seven grandsons of TR Zato Heir and 35 females bred to the champion TR Royal Zato 27th (a half interest recently sold for \$45,100) and TR Zato Heir 268th, selected in the Turner Ranch Sale at \$25,200.

*Plan now to
be with us
—●—
Write for catalog*

select from in our sale March 7th



M ZATO COMMANDER



M ZATO HEIR N



M ZATO HEIR 69



M ZATO HEIR M 2



M ZATO HEIR 68



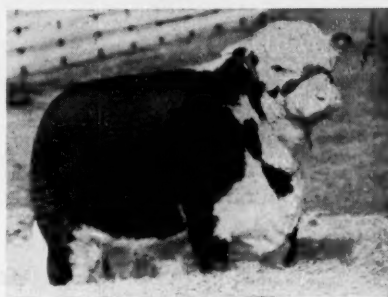
M ZATO HEIR 61



M ZATO HEIR 72



M ZATO HEIR 71



M ZATO HEIR 64

GREENVILLE, TEXAS

R. M. HALL,
Mgr.

Our sale March 7th will offer the



★ TR ZATO HEIR 268th

We purchased this outstanding sire in the recent Turner Ranch Sale for \$25,200. He is an own son of the great TR Zato Heir. Several of the females that sell in the sale will carry his service.

Selling 25 Bulls, 40 Females

Selling 18 sons and five daughters of the "27th" along with seven grandsons of TR Zato Heir and 35 females bred to the champion TR Royal Zato 27th (a half interest recently sold for \$45,100) and TR Zato Heir 268th, selected in the Turner Ranch Sale at \$25,200.

Daughters of TR Zato Heir 27th...



M ZATO HEIRESS 66



M ZATO HEIRESS 99



M ZATO HEIRESS 89

AUCTIONEERS:
Shaw, Britten

Be sure to attend this great sale

Sale at the farm located on paved Farm Road just south of Lone Oak, which is 15 miles south of Greenville on U. S. 69.

J. P. McNATT,
Owner

McNATT HEREFORDS

service of these two top sires

★ TR ROYAL ZATO 27th

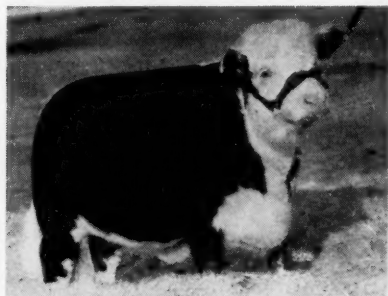
Top selling bull at the Turner Ranch Sale. A one-half interest sold for \$45,100 and went to Northwoods Stock Farm, Fort Worth, Texas and Hull-Dobbs Ranches, Fort Worth, Texas and Walls, Miss. The first son of the "88th" not only has an impressive show record but his first calves show his outstanding siring ability. The majority of the females selling carry the service of this great champion.



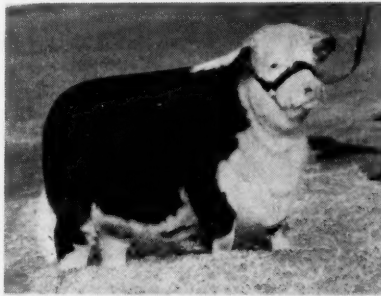
Offering the blood that produced:

- Grand Champion Steer—Denver 1955
- Reserve Champion Female—Denver 1955
- Reserve Champion Steer—Open Division—Denver 1955
- Top Sale of Nation in 1954
- Top Sale in Texas in 1953 and 1954

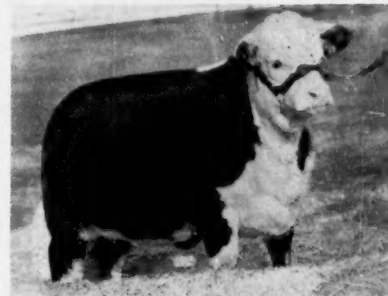
...typical of the quality females selling



M ZATO HEIRESS 90



M ZATO HEIRESS 69



M ZATO HEIRESS 65

Write for sale catalog, today!

Attend the Fry Hereford Sale, Hugo, Okla., March 8th.

GEORGE KLEIER
for THE CATTLEMAN

GREENVILLE, TEXAS

R. M. HALL,
Mgr.

ZATO HEIR SALE, TUES., SELLING 50 HEAD



ZATO HEIR FR

TR Zato Heir 5380000	{ H&D Tone Lad 105th 3488354 Leola Flowers 2846628	{ H&D Zato Tone Lad 8th Miss Heir 182d Beau Flowers Leola Mixer
Oct. 22, 1949	{ Pontotoc Tone 3555000	{ HT Tone Billy Boone
Tona T. 61st 5096138	{ TR Lady Rupert 3317813	{ T. Royal Rupert 15th HT Bonny Tone 12th

ZATO HEIR FR—Bred by Turner Ranch and carries the same breeding that was responsible for the record average of \$7,777 on bulls at their recent sale. He is a half brother to the great McNatt sire, TR Zato Heir 27th and the Straus Medina Hereford Ranch's TR Zato Heir 88th that sired the \$45,100 half interest bull. See the sons and daughters of this top sire and select the blood of the proven dependable Zato Heirs at our sale March 8.

Sale will be held at Holton Bros. Sale Pavilion west edge of Hugo at 1:00 p. m.

The offering:

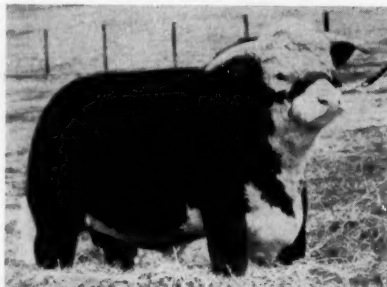
- ★ 20 Bulls—all serviceable age and 17 are grandsons of TR Zato Heir
- ★ 8 Bred Heifers—all carry the service of grandsons of TR Zato Heir
- ★ 14 Open Heifers—majority by our Zato Heir FR
- ★ 8 Cows—with calves at side or bred to Zato Heir FR

Our cow herd is straight Hazlett bred and the offering carries this famous breeding that has made a top record for Turner Ranch. The cattle are ready to show at any time—we invite you to come by the ranch and look them over.

ALVIS McKINNEY, Mgr. - Herdsman



ZATO HEIR F25 by a grandson of HT Tone and out of a daughter of TR Zato Heir.



ZATO HEIR F26 by Zato Heir FR and out of a daughter of Hoxford Rupert 81st.



ZATO HEIR F24 by Zato Heir FR and out of a daughter of Tealdo Rupert.

R. M. FRY HEREFORD

MARCH 8th, HUGO, OKLA.

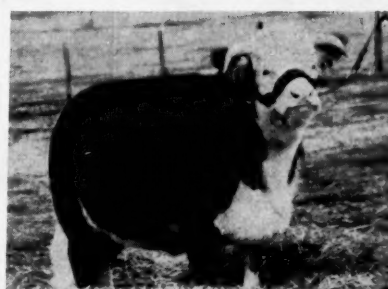
These all sell



ZATO HEIR F32 by Zato Heir FR and out of a daughter of Tcaldo Rupert.



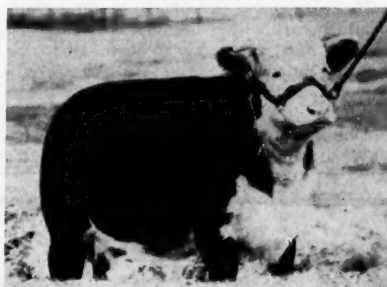
ZATO HEIR F30 by Zato Heir FR.



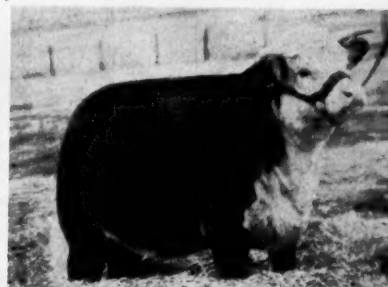
ZATONA HEIRESS F16 by Zato Heir FR and sells bred to Zato Heir F25th.



ZATO HEIRESS F22 by Zato Heir FR and sells bred to Zato Heir F26th.



ZATONA HEIRESS F31 by Zato Heir FR and out of a straight Hazlett bred cow. Sells open.



ZATONA HEIRESS F20 by Zato Heir FR and sells bred to Zato Heir F31st.



MISS RUPERT 90, a double bred Hazlett heifer and sells bred to Zato Heir F25th.



ZATONA HEIRESS F21 by Zato Heir FR and sells bred to Zato Heir F25th.



AH PRINCESS LARRY 24, sells with bull calf at side by Zato Heir FR.

AUCTIONEER: Walter Britten • George Kleier for THE CATTLEMAN

For Catalog, Write:

JARVIS FRY, BOX 472, HUGO, OKLA.

Plan to attend the McNatt Sale, Greenville, Texas • March 7th.

RANCH ★ HUGO, OKLA.

slaughtered too rapidly; for another, the new coffee plantations absorbed most Costa Rican capital, diverting it from further development of the cattle regions. In 1933, the number of cattle had dropped to 134,004, or 17,230 less than there had been 23 years previously.

Ranches have been operated on a frontier scale, with no attention paid to breeding until the present century. As late as ten years ago cattle were being raised on the hacienda system (which, for that matter, is still the case on most of them), and there were many small owners. At one time it was reported that 3,369 hacendados existed, with 134,000 head of cattle.

A region of secondary importance in the beef cattle industry is the Atlantic lowlands of the San Carlos basin, above 1,000 feet and along the gentle slopes of the mountains. Here, too, the methods are primitive. Ranches, like those in Guanacaste, are largely self-sufficient, producing most of their own necessities. From one viewpoint the region is excellent for cattle raising because pastures are green the year round; but it is inaccessible, and tropical cattle diseases and pests (of which mosquitoes, ticks, and screw worms are the worst) are common.

The government has, from time to time, enacted various measures to encourage the industry and to increase meat production. A law passed in 1885 pro-

vided for government payment of freight costs on imported, purebred stock. A more recent law (1933), imposed a tax of about \$6.00 a head on cattle imported for slaughter, in order to encourage local hacendados by keeping out foreign cattle. In the same year a livestock credit law was promulgated which also stimulated growth of cattle raising. Nevertheless, Guanacastean ranching is at about the same stage as were Spanish haciendas in this country, when Texas declared her independence.

Under modern and progressive management, much could be done to increase returns. It seems probable that introduction of a grass like coastal Bermuda, with its drouth resisting qualities, might alleviate periodic feeding shortages during the dry season. Certainly the use of ensilage would. The water table in many parts of the area is only about 100 feet deep. Wells and windmills would combat occasional water shortages. Dipping vats, consistently used, would do much to control insect pests. Culling would improve herds; bone meal would get rid of the phosphorus deficiency. Separation of bulls from cows, except at breeding time, would insure calves being born at a time of year most favorable to them. Importation of good bulls and stallions would raise the standard of the cattle and horse herds.

One favorable sign is the formation, on August 30, 1954, of a cattlemen's

association, patterned after the one with which we are all so familiar. President of the new association is David Clachar, one of the co-owners of Tempisque Ranch. The secretary-treasurer is David Stewart, of the great Wilson ranch near Canas. These gentlemen were in the United States recently, and visited the King Ranch and J. D. Hudgins ranch. It is the purpose of the association to import bulls, stallions, and ideas to encourage modern ranching practices, and to do everything possible to improve operations of Guanacastean ranches.

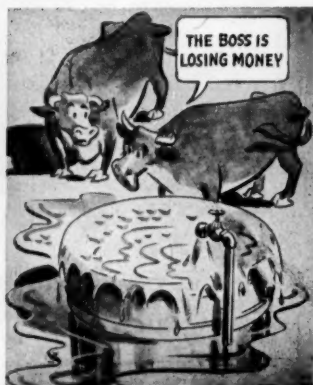
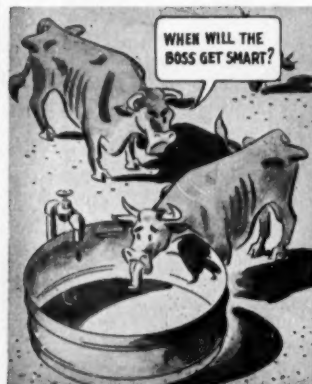
Guanacaste is a beautiful country, especially during the rainy season, when everything is brilliantly green. Away from the highway it presents a varied facade of timber, prairie, and marsh, with mountains in the background, the great volcanic peaks of Orosi and Miravalles looming high above the rest. From the road it looks like solid forest; when you get into it, trees and pastures are intermixed.

Incidentally, it is a wonderful country for the man who likes to hunt. There are two kinds of javelinas, puma, jaguar, ocelot, tapir, agouti, pacas, three kinds of monkeys, and two kinds of deer, the forest or brocket deer, and a white tail much like our own. On the morning that I left, two men counted 65 of the latter between daybreak and eight o'clock, and shot one with a thirty-eight.

Bob Everite Cattle Float Assemblies

Maintain the exact water level in your stock troughs...

RUGGED—DEPENDABLE—ECONOMICAL



Designed and built to give long, dependable, trouble-free service.



These Cattle Float Assemblies maintain a constant water level. Flexible swivel float assembly prevents any damage to valve connecting parts. AVAILABLE AT YOUR LOCAL DEALER.

ROBERT Manufacturing Company 9035 Venice Blvd., Los Angeles 34, California



CIRCLE H ZATO 2nd



CIRCLE H ZATO 3rd



CIRCLE H ZATO 4th



CIRCLE H ZATO 5th

TERRIFIC!

IS THE VERDICT ON
TR ZATO HEIR M CALVES

Nothing like them ever happened to us before. We have never had such a demand for bull calves but, of course, we are saving the tops for our annual HERD BULL SALE to be held March 14. His first four calves pictured above averaged \$3642.50 at an average age of 10 months, and three of them were in our champion pen of 5 bulls at Fort Worth.



Champion pen of 5 bulls, 1954 Fort Worth Show. The three at right are by TR Zato Heir M and the two at left are by TR Zato Heir 50th, the \$50,000 Thorp, Craig and Hall bull. Our next sale offering will also include several top sons of the 50th.

HERD BULL SALE

March 14
50 Bulls

35 Zatos
10 Larrys
5 Silvers
Plus 25
Top Heifers



TR ZATO HEIR M. 7400000

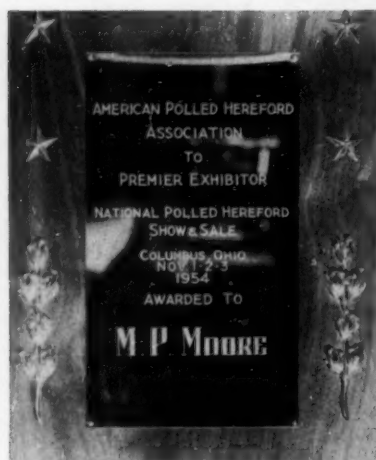
TR Zato Heir.....	H&D Tone Lad 105th.....	H&D Zato T. Lad 8th
	Leola Flowers.....	Miss Heir 182d
		Beau Flowers
Lady Tcaldo 187th.....	Tcaldo Rupert.....	Leola Mixer
	Fancy T.....	Hazford Rupert 81st
		HT Miss Rupert 20th
		Vagabond Prince
		Fancy Intense 2d



CIRCLE H RANCH, WINONA, MISS.

GEO. M. HARRIS
Owner

THE RESULTS OF THE CMR



Premier Exhibitor, 1954
World's Greatest Polled
Hereford Show. The
same cattle and blood
are selling February 14th
that won this Premier
Exhibitor Award.

CMR's Fourteenth Annual Sale features the get of CMR Rollo Domino 12th, the sire of sires, with six sons, five daughters selling, and three heifers bred to him, and the get of CMR Larry Domino, with five sons, two daughters, and five heifers carrying his service selling. Both have several grandsons and granddaughters selling. It might be later than you think if you are interested in the get of either one of these two bulls.



CMR MISCHIEF DOMINO 101st by CMR Rollo Domino 12th. Full brother to the twice National champion female CMR Blanche 25th.



CMR MISCHIEF DOMINO 104th by CMR Rollo Domino 12th and out of a Beau Rollo-Beau Perfection dam.

CMR BLANCHE DOMINO 132nd by the "12th." Full sister to CMR Mischief Domino 96th purchased in 1954 sale by Santa Fe River Ranch. World's record-priced heifer in Santa Fe Sale was bred to the "96th."



CMR ANXIETY DOMINO 63rd by CMR Advance Domino 50th. Two-year-old full brother to 1950 National reserve champion bull.



CMR MISS ANXIETY 78th by CMR Advance Domino 50th.



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BREEDING PROGRAM SELL FEBRUARY 14



CMR LARRY DOMINO 21st by CMR Larry Domino. Six-year-old proved sire whose place will be taken by his son CMR Larryrol.



CMR LARRYROL 17th by CMR Larry Domino 21st.



CMR LARRYROL 16th by CMR Larry Domino 21st.

This offering features the Polled characteristic and modern Polled Herefords. All fifty head have Polled sires and Polled dams. Every animal is pictured. Write for your catalogue and see how they are bred and how the heifers are mated. Catalogue also gives the pictures and pedigrees of our four young herd sires added to the herd sire battery—CMR Aster Domino 7th by CMR Aster Domino, CMR Advance R Larry by CMR Larry Domino, CMR Advance L Domino by CMR Advance Domino 50th and CMR Larryrol by CMR Larry Domino 21st.



CMR LARRYANNA 15th by CMR Larry Domino 21st. Sells as Lot 22.

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Owner

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Attend the West Tennessee Polled Hereford Sale, Brownsville, Tenn., Feb. 15th and Arkansas Polled Hereford Sale, Forrest City, Ark., Feb. 16th.

Undeclared in two years in Polled competition. Get of Sire by CMR Larry Domino.



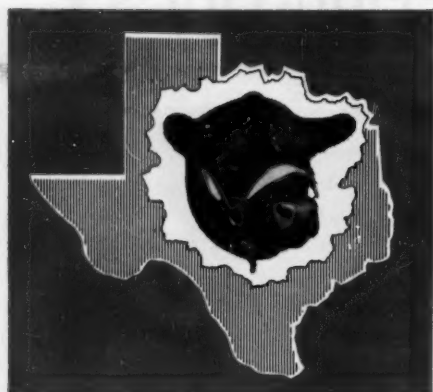
CMR LADY LARRY 91st by CMR Larry Domino.



CMR LARRY DOMINO 111th by CMR Larry Domino. A senior yearling in our show herd.

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Pride of Aberdeen

MONDAY 1:00 p.m., FEBRUARY 21
SAN ANTONIO LIVESTOCK EXPOSITION

For catalog, write:

★ Texas Aberdeen-Angus Association
203 Livestock Exchange Building
Fort Worth 6, Texas

★ Bill Cammack,
Sale Chairman
Johnson City, Texas

Poisonous Range Plants a Problem in Trans-Pecos Area

Range Management and Production of Better Forage Best Methods of Preventing Losses to Livestock,
J. W. Dollahite Advises

By J. W. DOLLAHITE, Associate Veterinarian, Animal Disease Investigations Laboratory, Marfa, Texas

LIVESTOCK poisoning from certain range plants is one of the hazards of ranching. The problem is particularly pressing in the nine Texas counties west of the Pecos river.

Range management and the production of better forage are the best methods of preventing losses from most poisonous plants. To initiate effective methods of control, the ranchman needs to be able to recognize the more common plants causing trouble on his range.

General control measures recommended are: keep animals away from poisonous

plants; provide adequate non-poisonous forage; use supplements when needed; treat poisoned animals; and control or eliminate poisonous plants through grazing management, mechanical eradication, herbicidal sprays or fencing to exclude livestock.

Recommendations following are based on the experiences of the writer and on various publications and information from poisonous plant research projects of the Texas Agricultural Experiment Station.

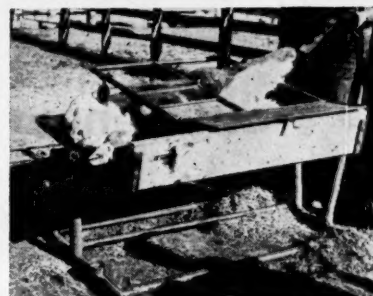
Plant	Animals poisoned	Symptoms	Control other than range management
<i>Actinea odorata</i> (Bitterweed)	Sheep and occasionally cattle	Loss of appetite, depression, abdominal pain and green regurgitated material about mouth and nose.	Move animals away from plant; change in type of livestock.
<i>Aesculus</i> spp. (Buckeye)	Cattle, sheep and hogs	Trembling, incoordination, paralysis, coma and death.	Remove animals from pasture; cut out plant; herbicides.
<i>Agave lechuguilla</i> (Lechuguilla)	Sheep, goats and cattle	Depression, jaundice and at times swelling of face and ears.	Move to pasture free of plant; supplementary feeding.
<i>Aloysia ligustrina</i> (White brush)	Horses	Loss of weight, weakness, cocked ankles, prostration and death.	Keep horses off of heavy concentration of plant when range is short.
<i>Amaranthus</i> spp. (Careless weed)	Cattle, sheep and horses	Animals usually are found bloated and dead.	Remove animals from plant; reseed with native grasses.
<i>Aplopappus heterophyllus</i> (Rayless goldenrod)	Cattle, horses and sheep	Trembling, especially in muscles about the nose, legs and shoulders.	Keep animals out of infested areas; grub out plant; herbicides.
<i>Asclepias latifolia</i> (Broad leaf milkweed)	Cattle, sheep and goats	Abdominal pain, salivation, labored respiration and restlessness.	Remove animals from the plant until it matures or until better forage is increased.
<i>Asclepias subverticillata</i> (Horsetail milkweed)	Sheep and occasionally horses and cattle	Staggering; spasms with salivation, trembling, bloating, labored respiration, respiratory paralysis and death.	Do not concentrate animals where this plant occurs; shearing traps are most dangerous; fence off concentrated areas of plant.
<i>Astragalus emoryanus</i> (Peavine)	Cattle, sheep and goats	Progressive incoordination of rear legs and in latter stages complete paralysis.	Move animals from pasture for duration of peavine growth. Place sick animals on feed.
<i>Astragalus earleyi</i> and <i>wootoni</i> (Loco) (Garbancillo)	Horses, cattle, sheep and goats	Agitation, rough coat, staring look, emaciation, muscular incoordination and extreme nervousness.	Remember it is habit forming. Remove animals from the plant and put them on feed; herbicides.

Staggs

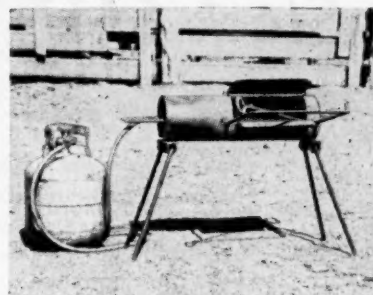
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Plant	Animals poisoned	Symptoms	Control other than range management
Baileya multiradiata (Desert baileya)	Sheep	Frothy green slobbering followed by extreme weakness and trembling of limbs.	Supplementary feeding or move to better pasture.
Drymaria pachyphylla (Inkweed)	Cattle, sheep and goats	Animal usually is found dead.	Improvement of range forage is best method of control.
Flourensia cernua (Black brush) (Ripe fruit)	Sheep and goats	Loss of appetite, sluggish, grinding teeth, nostrils clogged with mucus.	Keep hungry animals from plant during winter.
Gutierrezia spp. (Broomweed)	Cattle, sheep and goats	Loss of appetite, sluggish, nasal discharge, occasionally bloody urine.	Remove animals from plant when toxic; herbicides.
Kallstroemia hirsutissima (Carpet weed)	Cattle, sheep and goats	Knuckling over of hind legs; animal usually lies down.	Keep animals off the plant in summer and early fall until frost.
Karwinskia humboltiana (Coyotillo)	All domestic animals	Weakness, muscular incoordination, paralysis and death.	Keep animals from eating fruit; keep animals from eating large quantities of leaves.
Nolina texana (Sacaahuista)	Cattle, sheep and goats	Depression, jaundice and at times swelling of face and ears.	Keep animals off the plant during blooming season for about 3 weeks.
Notholaena sinuata var. cochisensis (Jimmy fern)	Sheep and occasionally goats	Trembling and sudden death.	Use pastures for goats and cattle. For grazing sheep, cut into small pastures and do not work in winter time.
Peganum harmala (African rue)	Cattle and sheep	Loss of appetite, knuckling over in rear legs.	Remove animals from plant.
Prunus spp. Sorghum spp. (Prussic acid poisoning)	Cattle, horses, sheep and goats	Rapid difficult breathing, death in from 15 minutes to several hours.	Keep animals away from wilted cherry leaves and stunted sorghum, especially after frost. Treat animals with specific antidote.
Psilostrophe gnaphalodes and tagetinae (Paper flower)	Sheep, probably cattle and goats	Stumbling, sluggish, coughing, vomiting, green nasal discharge.	Pasture rotation. Put animals on plant, leave for 2 weeks and then move to another pasture.
Quercus spp. (Oak bud poisoning)	Cattle and occasionally sheep	Emaciation, sunken eyes, weakness, constipation, bloody feces.	Remove animals from oak or feed at least 3 pounds of hay daily.
Senecio riddellii and longilobus (Groundsels)	Cattle and occasionally sheep	Continuous walking, nervous, straining, frequent voiding of small amounts of bile-stained feces.	Keep animals off of heavy infestation of plant from March to June.
Solanum eleagnifolium (Silverleaf nightshade)	Cattle and sheep	Labored breathing, salivating, bloating, grinding teeth; some die and others recover.	Do not concentrate animals where this plant is abundant; watch for plant in hay.
Xanthium spp. (Cocklebur)	Swine, sheep and cattle	Depression, vomiting, low temperature and rapid death.	Keep animals off of young plants in cotyledon stage.

Seventy-Eighth Annual Convention

TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSOCIATION
Dallas, Texas, March 22-23, 1955

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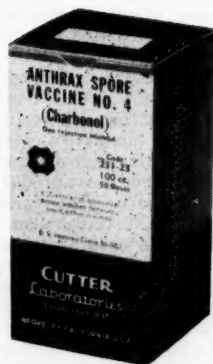
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For information about the Texas and Southwestern Cattle Raisers Association contact
Henry Bell, Secretary
410 East Weatherford, Fort Worth.

CHUCKWAGON By CHARLIE, the cook

LET'S open this February session with a little laboratory theses to be entitled "The Art of Making the Hot Tamale"—as per request of Mrs. Hunter Carmical of Collins, Arkansas.

First question: how many? Well, when you make delectable tid-bits there's no use foolin' around about it, so let's set up the prescription for, say, 450 to 500.

Before you start get together these ingredients and supplies:

A good bunch of parchment paper, which you cut to a size of about seven by eight inches; three one-pound boxes of cornmeal; five pounds of fresh pork; five pounds of lean beef; garlic pods and onions; a can of chili pepper.

Boil the meat until tender, then grind it with garlic, onions and chili pepper to taste. Then make a doughy paste of the cornmeal by moistening it with the broth from the meat, adding about one teaspoon of chili pepper to each pound of cornmeal.

Now—wet the parchment paper squares in warm water, then spread about three tablespoons of batter on each square, putting about two teaspoons of the meat mixture down the middle of the batter. Roll it up, tucking over one end of the tamale and leaving the other end open. Pack 'em in fruit jars, about eight to a pint with open end up. Pour hot water about an inch deep in the jars, put on sterilized lids and screw on tops, but not tightly. Pressure cook jars for 45 minutes at 10 pounds pressure—or, place in vat of hot water on top of stove and cook for about three hours.

When ready to use—later today, tomorrow, or a couple of months hence—just remove tops and heat jars in hot water.

* * *

Mrs. Carmical would like for all hands to try the short cut she uses in hamburger manufacture. She writes out the formula like this:

INGREDIENTS: Half a stick of butter; one pound of ground steak; two-thirds cup of tomato catsup; one garlic button; dash of hot sauce; one teaspoon brown sugar; fourth teaspoon salt.

METHOD: Melt the butter in heavy skillet. Chop garlic very fine and add to butter. Add ground steak and stir until red color is gone, but don't brown. Add other ingredients, cover tightly and simmer slowly, about two minutes. Spoon onto warm or toasted buns and serve with pickle and onions.

* * *

We're not quite sure what Dr. N. P. Thiele of Tecumseh, Nebraska, has in mind when he asks what we might have in the way of "ranch house" beans, but we've been around some ranch houses which seemed to be doing mighty well by doing like this with the good old reliable pintos:



"I allus said you cooked up a mighty staple meal, Chuckwagon—but this is th' first time I knowed you used REAL staples!"

INGREDIENTS: Two cups of dry pinto beans; six cups of water; two teaspoons of salt; six or seven slices of diced bacon; one cup of chopped onion; four teaspoons of chili powder; black pepper to taste.

METHOD: Soak the pintos for a couple of hours, add salt and boil until tender. Brown bacon in a frying pan, add onion and cook for about five minutes. Add beans and cooking liquid, season with chili powder and black pepper. Continue cooking, stirring constantly, until

MEAT RECIPES

A Free Recipe Booklet

A very attractive forty-page booklet of meat recipes is available to readers of *The Cattleman* without charge. This booklet is published by the National Live Stock and Meat Board's Home Economics Department and distributed by the Texas and Southwestern Cattle Raisers Association. It is offered free to any of our readers who request it. All we ask is that you say you saw mention of it in *The Chuckwagon* Column. No housewife should be without this important booklet which contains recipes for cooking beef, lamb, veal, pork and a variety of other excellent recipes in which meat or meat products are used. There is a large variety of cake and cookie recipes also. There is a full page devoted to each of the following: broiling, braising, cooking in liquid, pan broiling and pan frying. Two full pages are devoted to illustrations of cuts and a guide to buying and cooking beef, veal, pork and lamb, a total of eight pages. No housewife can afford to be without this valuable booklet. It is free for the asking. Send your request direct to *The Cattleman*, 410 E. Weatherford Street, Fort Worth 2, Texas.

MARCH 10th

OUR SECOND ANNUAL RANGE BULL SALE



These doors will open wide on March 10th, at which time we will offer 100 registered Hereford bulls, some herd bull prospects. All are in good breeding condition and ready to turn out for service. If you need one bull or a carload, you should be at our sale.

Bloodlines — Baca R Domino 33d and Larry Domino 50th. Most of these bulls are out of Hazlett and Colorado Domino cows. All are in good condition, but not fitted.

Sale to be held in our new heated sale barn. Lunch will be served at 11:30 a.m., and the sale will start at 12:30.

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mixture is thick. Serve the beans with catsup or your favorite tomato sauce.

* * *

While on the subject of the bean we'd like to pass on to Dr. Thiele, et al, a little innovation in handling this finest product of the vines. It goes like this:

INGREDIENTS: Four cups (two pounds) of your favorite dried beans; two teaspoons salt; one large onion; half a cup of molasses; half a cup of catsup; half a teaspoon of ginger; half a teaspoon of cinnamon; two teaspoons dry mustard; half a pound of salt pork.

METHOD: Wash beans, cover with cold water and soak overnight. Drain, add salt and onion (cut in half), and put in water to cover. Bring to a boil, then simmer until tender. Remove onion, drain

and save liquid. Combine molasses, catsup, spices and three cups of bean liquid, adding more water if necessary. Wash pork and place half of pork and half of onion in the bottom of bean pot. Add beans and place remaining pork and onion on top of beans. Add liquid mixture. Cover and bake for an hour and 45 minutes in a moderately slow (325-degree) oven. Then remove the cover and bake for 15 minutes.

* * *

Mrs. Ben Williamson of Duncan, Okla., says you can whip up a fast and highly satisfactory dessert in a few minutes with her Graham Cracker Cake recipe, directions for which follow:

Crush 26 graham crackers real fine and mix with three-fourths cup of sweet

milk and two egg yolks. Then cream a cup of sugar with half a cup of butter and add to mixture, stirring well. Add one cup of nuts, one teaspoon baking powder and one teaspoon vanilla, and fold in stiffly beaten egg whites. Pour into square layer cake pan and bake in moderate (350-degree) oven for 45 minutes.

"All this needs," says Mrs. Williamson, "is whipped cream topping and coffee on the side."

* * *

From the way we heard it, Steve Bennett of Stamford, Texas, is a handy man with the pots and skillets, and so we offer Steve this somewhat different stew of German ancestry:

Brown two pounds of cubed stew meat slowly in two tablespoons of fat. Add one No. 2½ can of drained sauerkraut, half a cup of chopped onion, one cup of sour cream, half a cup of water, two teaspoons of paprika, salt and pepper to taste, and one teaspoon monosodium accent. Cover and simmer two hours or until meat is tender, stirring often.

Just before serving add another cup of sour cream and taste for seasoning. If mixture seems too dry either before or after last addition of sour cream, just add a bit more water.

Mashed or baked spuds go well with this.

* *

Intrigued by last month's Montana request for a method to be used in pickling beaver tails, Mrs. Glenn Elliott of Fort Worth, Texas, seeks to be helpful by suggesting that the beaver rudders might possibly be handled with the same formula used for pickling pig feet.

We don't know about that but, anyhow, here's the recipe for putting away the shoat trotters:

Cook a dozen feet in boiling, salted, acidulated water for four hours. Drain well, place in a crock or jar with 12 medium-sized onions thinly sliced, two small carrots scraped and thinly sliced, and two cloves of whole garlic.

Combine in an enameled kettle three quarts of vinegar, two tablespoons of salt, one tablespoon of peppercorns, six bay leaves, six whole cloves, half a teaspoon each of marjoram, mace and nutmeg. Bring to a boil for five minutes, and then add a quart and a half of the broth in which the feet were cooked. Pour this liquid boiling hot over the feet in the crock. Cover with cloth, then with a board with a weight on top. Let stand at least two weeks in a cool place. Chill before serving.

Got a good recipe you'd like to share with the neighbors? If so, send it to Charlie the Cook, care of The Cattleman. Or, if there's any particular recipe you'd like to have, ask Charlie. He'll round it up for you.

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SHOW: March 9th, Judging 9:00 A. M., Mr. Suel Hill, Hill Polled Hereford Ranch, Fairfield, Texas, Judge

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Arizona National Livestock Show

Texas Steer Fed by Lloyd Robinson of Big Spring Named Grand Champion—Winners in Beef Breed Shows Named.

FOR the second year in a row a Texas steer was named grand champion of the Arizona National Livestock Show held at Phoenix January 3-8. The grand champion of the 1955 show was a Hereford fed by Lloyd Robinson of Big Spring. The steer weighed 1105 pounds and sold for \$2 a pound. It was the fourth grand championship won by Robinson on his Hereford steers. He had previously shown grand champions at the International, State Fair of Texas and Amarillo. Last year's grand champion was also a Hereford shown by Jane Blizzard, also of Big Spring.

Reserve grand championship honors went to a Colorado boy, Bob Dorsey of Eaton, on his 970-pound Hereford. It was junior champion and sold for \$1.25 per pound.

The Hereford Show

The Hereford show at the Arizona National attracted herds of top quality from a wide area in view of the fact that it was a Register of Merit show. Davie Carter, manager of Greenhill Farm, Tulsa, Okla., judged the show.

Circle A Hereford Farm, Morris, Ill.,

showed the champion bull, CA Larry Domino 88th, first prize senior yearling by MW Larry Domino 133. A junior calf, MW Larry Mixer 100 by MW Larry Domino 83, shown by Milky Way Hereford Ranch, Phoenix, Ariz., was reserve champion.

Arrowhead Hereford Ranch, Okmulgee, Okla., showed the champion female, Dellford Lady F, a senior yearling by RS Princeps Mixer 10. M Zato Heiress 30, who stood second in class to the champion, owned by Herschede Hereford Ranch, Hereford, Ariz., was reserve champion. She was by TR Zato Heir 27.

Others among the first prize winners were: Edg-Cliff Farms, Potosi, Mo.; Pollock Hereford Ranch, Mountainburg, Ark.; W. J. Largent & Son, Merkel, Texas; and Turner Ranch, Sulphur, Okla.

Awards to three places follow:

Two-Year-Old Bulls (6 shown): 1, Edg-Cliff Farms, Potosi, Mo., on Edg-Cliff Resolute; 2, Turner Ranch, Sulphur, Okla., on TR Zato Heir 268; 3, Edg-Cliff on ECF Royal Excel 21.

Senior Yearling Bulls (8 shown): 1, Circle A Hereford Farm, Morris, Ill., on CA Larry Domino 88; 2, Turner on TR Royal Zato 27; 3, Edg-Cliff on Edg-Cliff Resolute Heir.

Junior Yearling Bulls (18 shown): 1, Pollock Hereford Ranch, Mountainburg, Ark., on PHR Larry Domino 4; 2, Circle A on CA Larry 8; 3, Pollock on PHR Perfect Silver.

Summer Yearling Bulls (24 shown): 1, Herschede Hereford Ranch, Hereford, Ariz., on HR Publican Knage 5; 2, Milky Way Hereford Ranch, Phoenix, Ariz., on MW Prince Larry 125; 3, Circle A on CA Larry Domino 137.

Senior Bull Calves (25 shown): 1, Edg-Cliff on ECF King Silver; 2, Straus Medina Hereford Ranch, San Antonio, Texas, on Medina Triumph 210; 3, Orvil E. Kuhlmann, North Platte, Neb., on Gold Co-Pilot.

Junior Bull Calves (33 shown): 1, Milky Way on MW Larry Mixer 100; 2, W. J. Largent & Son, Merkel, Texas, on WJ V Royal Mixer 20; 3, Turner on TR Zato Heir 453.

Summer Bull Calves (25 shown): 1, Largent on WJ Larry Mixer 5; 2, Milky Way on Superior Larry 13; 3, Largent on Publican Domino 304.

Champion Bull: Circle A on Larry Domino 88.
Reserve Champion Bull: Milky Way on MW Larry Mixer 100.

Three Bulls (12 shown): 1, Edg-Cliff; 2, Circle A; 3, Turner.

Two Bulls (14 shown): 1, Circle A; 2, Edg-Cliff; 3, Turner.

Two-Year-Old Heifers (5 shown): 1, Edg-Cliff on ECF Baca Lady Elation; 2, Arrow Head Hereford Ranch, Okmulgee, Okla., on Dellford Lady 29; 3, Kuhlmann on OK Annagold.

Senior Yearling Heifers (8 shown): 1, Arrow Head on Dellford Lady F; 2, Herschede on M Zato Heiress 30; 3, Edg-Cliff on ECF Royal Resobelle.

Junior Yearling Heifers (13 shown): 1, Circle A on CA Larryette 127; 2, Arrow Head on Dellford Lady 60; 3, Circle A on CA Larryette 140.

Summer Yearling Heifers (12 shown): 1, Turner on TR Zato Heiress 356; 2, Straus Medina on Medina Beauty 507; 3, Edg-Cliff on ECF Silver Queen.

Senior Heifer Calves (14 shown): 1, Turner on TR Zato Heiress 387; 2, Straus Medina on Straus Royal Lady 220; 3, Rancho Sacatal, Dos Cabezas, Ariz., on RS BO Princess 26.

Junior Heifer Calves (21 shown): 1, Milky Way on MW Super Larryanna 13; 2, Pollock on Miss



GET OF TR ZATO HEIR 156th. THEY ALL SELL.

In the pedigrees of the dams of our sale offering are found such great sires as:

Bacaldo 6th	Beau Zento 51st	T Royal Rupert 32nd
Hazford Tone	SR Beau Tone 1st	T Royal Rupert 62nd
Hazford Tone 76th	Hazford Rupert	T Royal Rupert 185th
HT Tone	Hazford Rupert 25th	T Rupert Mixer
Beau Zento 32nd	Hazford Rupert 81st	Tcalds Rupert
Beau Zento 54th	HT Royal Rupert	SR Rupert Mixer

Samples of our offering

Write for
Catalog



♠ SR ZATO
HEIR B 2nd



SR ZATO ♠
HEIRESS A 10th



SELLING 65 HEREFORDS Zato Heir-Hazlett Breeding SAT., FEBRUARY 12, 1955 RUSSELLVILLE, ARKANSAS

50 Females

30 BRED
20 OPEN

Included are 15 daughters of Beau Zento 32nd bred to our Zato Heir bulls.

20 Granddaughters of TR Zato Heir bred and open.

15 Bulls

10 Zato Heirs
4 Beau Zentos
1 Rupert Mixer

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Fulkerson and Heldenbrand
George Kleier, The Cattleman

Savage & Roberts Hereford Ranch

RUSSELLVILLE, ARK.
CLYDE HYDE, Herdsman

Ranch located 9 miles west of Russellville on U. S. 64, then one mile north

GULF COAST HEREFORD BREEDERS ASSOCIATION



SALE ★ 73 HEAD FRIDAY FEB. 18 COLUMBUS TEXAS ★



29 Horned Bulls
7 Polled Bulls

7 Females

5 Pens of Threes — Bulls
5 Pens of Threes — Females

Show — 9:00 A.M.

Sale — 1:00 P.M.

Offering 73 Head of Horned and Polled Quality Herefords of Popular Bloodlines. All cattle in this sale were raised on the Gulf Coast. There are many herd bull prospects and foundation females in this offering.

Consignors

Bar M. Farms.....	Columbus	Herbert Jacobs	Carmine
G. M. Cason.....	Eagle Lake	A. J. Kubena	Hallettsville
August Cernik.....	Moulton	Chas. Machemehl.....	Brenham
Jack Clark	Conroe	Wm. Mayer	Wallis
Dr. L. J. Clark.....	Bellville	Arthur Robichaux	Brookshire
Jack Draper.....	Columbus	C. L. Schatz.....	Burton
Gatewood Hereford Farms.....	Burton	Adolph Schmidt	La Grange
A. W. Hartstock.....	Washington	Bennie Schmidt.....	La Grange
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Hoffman Hereford Farms.....	Brenham	Tanner Walker.....	Columbus
		Whitener Hereford Farm	Burton

For A Catalog Write To:

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Douglas Thompson, Secretary • Bellville, Texas

Auctioneer: Colonel Walter Britten • George Kleier for THE CATTLEMAN



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Seventy-Eighth Annual Convention
TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSOCIATION
Dallas, Texas, March 22-23, 1955

Larry Given; 3, Milky Way on Miss Colorado 20.
Summer Heifer Calves (18 shown): 1, Milky Way on MW Super Larryanna 6; 2, Largent on WJ Blue Bonnet 2; 3, Turner on entry.
Champion Female: Arrow Head on Dellford Lady F.

Reserve Champion Female: Herschede on M Zato Heiress 30.

Two Females (11 shown): 1, Circle A; 2, Turner; 3, Milky Way.

Get of Sire (10 shown): 1, Circle A on MW Larry Domino 133; 2, Turner on TR Zato Heir; 3, Edg-Clif on WHR Resolute 55.

Junior Get of Sire (7 shown): 1, Milky Way on MW Super Larry 4; 2, Largent on MW Larry Mixer 66; 3, Turner on TR Zato Heir.

Pair of Yearlings (10 shown): 1, Circle A; 2, Pollock; 3, Edg-Clif.

Pair of Calves (15 shown): 1, Milky Way; 2, Largent; 3, Turner.

Best Five Head: Circle A.

The Aberdeen-Angus Show

Herds from six states—Arizona, California, Oregon, New Mexico, Colorado and Missouri—were represented in the Aberdeen-Angus show which was judged by Robert Williams of Great Oaks Stock Farms, Rochester, Mich. The herd from the "Show Me" state was the major winner, including among its laurels the senior and grand champion bull, Black Peer of Red Oak 39; the reserve senior champion bull, Black Peer of Red Oak 23; the senior and grand champion female; Juara E of ROF; and the reserve junior champion female, Gammer of HR 4. Dale West, Merrill, Ore., showed the junior and reserve grand champion bull, Bardolier DW 2401; Mead's Angus Mesa, Inc., Albuquerque, N. M., showed the reserve junior champion bull, Prince Envious 13 of Essar; Ferndale Ranch, Napa, Cal., showed the junior and reserve champion female, Birdmere Lass 24; and Palomar Angus Ranch, Pala, Cal., showed the reserve senior champion female, Globe Hill Eriskay 18.

Rancheria Angus, Napa, Cal., was also among the top winners.

Awards to three places follow:

Two-Year-Old Bulls (3 shown): 1, Red Oak Farms, Rocky Comfort, Mo., on Black Peer of Red Oak 23; 2, Yuma Valley Cattle Co., Yuma, Ariz., on Yuval Trojan Eric; 3, Yuma Valley on Yuval Blackbird Duke.

Senior Yearling Bulls (4 shown): 1, Red Oak on Black Peer of Red Oak 39; 2, Tomar Angus Ranch, Marana, Ariz., on Tomar Black Knight; 3, Red Oak on Black Peer of Red Oak 53.

Junior Yearling Bulls (5 shown): 1, Dale West, Merrill, Ore., on Bell Roy DW; 2, Red Oak on Black Peer of Red Oak 49; 3, Yuma Valley on Yuval Prince Eric.

Summer Yearling Bulls (3 shown): 1, Mead's Angus Mesa, Inc., Albuquerque, N. M., on Prince Envious 13 of Essar; 2, Rancheria Angus, Napa, Cal., on Reamere 9; 3, Rancheria on Reamere 16.

Senior Bull Calves (6 shown): 1, West on Bardolier DW 2401; 2, Red Oak on Black Peer of Red Oak 64; 3, Red Oak on Black Peer of Red Oak 65.

Junior Bull Calves (4 shown): 1, West on Bardolier DW 2403; 2, Rancheria on Reamere 21; 3, West on Bardolier DW 2405.

Summer Junior Bull Calves (4 shown): 1, Rancheria on Earlmere 2; 2, West on entry; 3, West on entry.

Senior and Grand Champion Bull: Red Oak on Black Peer of Red Oak 39.

Junior and Reserve Grand Champion Bull: West on Bardolier DW 2401.

Reserve Senior Champion Bull: Red Oak on Black Peer of Red Oak 23.

Reserve Junior Champion Bull: Mead on Prince Envious 13 of Essar.

Three Bulls (4 shown): 1, Red Oak; 2, West; 3, Rancheria.

TOPS IN TEXAS

SELLING 55 HEAD—22 BULLS—33 FEMALES

MARCH 3, 1955

Lot No. 3



HPHR SUPER LARRY 9
Calved Jan. 11, 1953
Weight 1575
Lot No. 3

Lot No. 4



HPHR SUPER LARRY 11
Calved Feb. 9, 1953
Weight 1650
Lot No. 4

SELLING
12 Sons
12 Daughters
CMR LARRY
DOM. 55
8 Heifers
Carry His
Service



HPHR SUPER LARRY 14
Calved April 2, 1953
Weight 1500
Lot No. 9

SELLING
3 Sons
5 Daughters
of
H. DOM. A 19
(Sire of Champ)
6 Heifers
Carry His
Service

Lunch Served
at the Ranch
12:00 Noon



HPHR SUPER LARRY 16
Calved April 28, 1953
Weight 1325
Lot No. 10



HPHR SUPER LARRY 18
Calved June 15, 1953
Weight 1250

SALE STARTS
1 P. M.

Auctioneer,
Walter Britten
George Kleier,
The Cattleman




HPHR SUPER LARRY 19
Calved July 10, 1953
Weight 1160

HILL POLLED HEREFORD RANCH

FAIRFIELD, TEXAS

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Two Bulls (8 shown): 1, Red Oak; 2, 3, West.
Two-Year-Old Heifers (2 shown): 1, Red Oak
on Juara E of ROF; 2, Palomar Angus Ranch,
Pala, Cal., on Globe Hill Eriskay 18.

Senior Yearling Heifers (6 shown): 1, Palomar
on Erica BB Palomar; 2, Red Oak on Pride of
ROF 13; 3, Yuma Valley on Harcarse Pride of
Yuval.

Junior Yearling Heifers (6 shown): 1, Ferndale
Ranch, Napa, Cal., on Birdmere Lass 24; 2, Palo-
mar on Palomar Fair Promise; 3, Yuma Valley
on Barbara Woodson Yuval.

Summer Yearling Heifers (9 shown): 1, Red
Oak on Blackcap Bessie of ROF; 2, Palomar on
Palomar Eriskay; 3, Ferndale on Erica Bell of
LCP.

Senior Heifer Calves (7 shown): 1, West on
Bandy Maid DW; 2, Red Oak on Barbarosa of
ROF 3; 3, Ferndale on Miss Burgess D of LCP.

Junior Heifer Calves (7 shown): 1, Red Oak
on Gammer of HR 4; 2, Cathedral Rock Angus
Ranch, Colorado Springs, Colo., on Pikes Peak
Elsow 2; 3, West on Erica DW 12.

Summer Junior Heifer Calves (2 shown): 1,
Rancheria on Miss Wix Reia; 2, West on Pride
DW.

Senior and Grand Champion Female: Red Oak
on Juara E of ROF.

Junior and Reserve Grand Champion Female:
Ferndale on Birdmere Lass 24.

Reserve Senior Champion Female: Palomar on
Globe Hill Eriskay 18.

Reserve Junior Champion Female: Red Oak on
Gammer of HR 4.

Get of Sire (6 shown): 1, Red Oak on Black
Peer 34 of Angus Valley; 2, West on Criterion
Bardolier 24; 3, Rancheria on Oxbow Eileen-
mere 42.

Junior Get of Sire (6 shown): 1, West; 2, Red
Oak; 3, Rancheria.

Pair of Females (10 shown): 1, 3, Red Oak; 2,
Palomar.

Pair of Yearlings (3 shown): 1, Red Oak; 2,
Rancheria; 3, Yuma Valley.

Pair of Calves (7 shown): 1, West; 2, Ranch-
eria; 3, Red Oak.

The Shorthorn Show

Leveldale Farms, Mason City, Ill., and
B. Hollis Hanson, Connersville, Ind., bat-
tled it out in the Shorthorn show with
the former showing a slight edge at the
close. Two Arizona herds were entered
but failed to win any top positions. The
show was judged by Glen Bratcher, Ok-
lahoma A&M College.

Leveldale farms showed the junior and
grand champion bull, Leveldale Critic;
the reserve senior champion, Leveldale
Caesar; the reserve junior champion,
Echt Prince Regent; the senior and
grand champion female, Leveldale Miss
Ramsden; and the reserve senior cham-
pion, Leveldale Augusta Lass.

Hanson showed the senior and reserve
grand champion bull, Strowan Souvenir;
the junior and reserve grand champion
female, HHF D Augusta B; and the re-
serve junior champion, HHF Air Augus-
ta S.

Awards to three places follow:

Two-Year-Old Bulls (1 shown): 1, B. Hollis
Hanson, Connersville, Ind., on Strowan Souvenir.

Senior Yearling Bulls (1 shown): 1, Leveldale
Farms, Mason City, Ill., on Leveldale Caesar.

Junior Yearling Bulls (2 shown): 1, Leveldale
on Echt Prince Regent; 2, Hanson on HHF Sen-
tinel Souvenir.

Summer Yearling Bulls (4 shown): 1, Hanson
on HHF Standard Souvenir; 2, Leveldale on
Leveldale Rustler; 3, Hanson on HHF Benjamin
Bounce.

Senior Bull Calves (1 shown): 1, Hanson on
HHF Buynadie Bounce.

Junior Bull Calves (5 shown): 1, Leveldale on
Leveldale Critic; 2, Hanson on Leveldale Northern
Light; 3, Hanson on HHF Burnie Bounce.

TEXAS POLLED HEREFORD ASSOCIATION'S



ANNUAL AUCTION

SALE OF POLLED HEREFORDS



1:00 p.m., WEDNESDAY - FEBRUARY 23, 1955

IN

SALE ARENA

SAN ANTONIO LIVESTOCK EXPOSITION

SAN ANTONIO, TEXAS

32 BULLS

52 LOTS

20 FEMALES

Again the Texas Polled Hereford Association takes much pride in its offering at San Antonio. Each year the offering improves, and each year the bidders find more of the good kind of cattle in this Sale. Many of our old breeders, consignors in the years past, return with a better offering. And again this year come a few of our new breeders presenting their cattle for your approval. This is an offering of Polled Herefords that can do much for both the breeder of purebred Polled Herefords and the commercial cattleman. Quality, breeding and size feature this offering, our 1955 San Antonio Sale.

CONSIGNORS

N. M. Barnett.....	Melvin, Texas
M. L. Boultinghouse.....	Utopia, Texas
W. F. Bowman.....	Houston, Texas
Roland Hohenberg.....	Prairie Lea, Texas
Hartley E. Howard.....	Devine, Texas
Kallison Ranch.....	San Antonio, Texas
Oakhurst Farm.....	Lindale, Texas
Robert L. Pfluger.....	Pflugerville, Texas

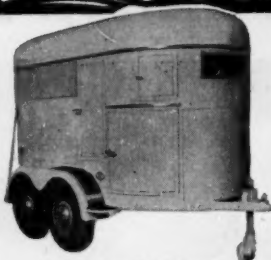
P-R Hereford Ranch.....	Pittsburg, Texas
R. M. Reynolds.....	Pittsburg, Texas
J. A. & Butch Roberson.....	Devine, Texas
L. & W. Steubing.....	San Antonio, Texas
Roy L. Tschirhart.....	Castroville, Texas
E. E. Voigt.....	San Antonio, Texas
Winkel Polled Hereford Ranch.....	Llano, Texas
R. R. Woodward.....	Sabinal, Texas

For Sale Catalogue Write:

B. J. Baskin, Sec'y,
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Auctioneer: Col. Walter Britten
George Kleier for THE CATTLEMAN

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NOW TASTE all other calcium supplements and see if your TONGUE will recommend swallowing them. They are either crushed rock or crushed shells, regardless of brand names.

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Manufacturers of mixed feeds and minerals, who use CARBOTEX, merit your business, WHY? They are interested in your welfare and buying ingredients on quality instead of price. They are not bragging about their extra profits made in using a cheaper calcium supplement.

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Summer Bull Calves (2 shown): 1, Leveldale on Leveldale Dynamic; 2, Hanson on HHF Select Souvenir.

Junior and Grand Champion Bull: Leveldale on Leveldale Critic.

Senior and Reserve Grand Champion Bull: Hanson on Strowan Souvenir.

Reserve Senior Champion Bull: Leveldale on Leveldale Caesar.

Reserve Junior Champion Bull: Leveldale on Eht Prince Regent.

Three Bulls (3 shown): 1, Leveldale; 2-3, Hanson.

Two Bulls (4 shown): 1, Leveldale; 2-3, Hanson.

Two-Year-Old Heifers (2 shown): 1, Leveldale on Leveldale Miss Ramsden; 2, Pierce Farms, Inc., Scottsdale, Ariz., on Sunbeam Amy 3.

Senior Yearling Heifers (4 shown): 1, Leveldale on Leveldale Augusta Lass; 2, Hanson on HHF Clipper Girl B; 3, Leveldale on Leveldale Blythesome 4.

Junior Yearling Heifers (4 shown): 1, Hanson on HHF D Augusta B; 2, Leveldale on Leveldale Miss Ramsden 2; 3, Walter A. Heiden & Son, Buckeye, Ariz., on Sunland Rose.

Summer Yearling Heifers (2 shown): 1, Hanson on HHF Air Augusta S; 2, Leveldale on Leveldale Rothes Queen 4.

Senior Heifer Calves (4 shown): 1, Hanson on HHF Eliza Maria B 3; 2, Leveldale on Leveldale Freda Rosebud 2; 3, Pierce on Rosewood of Sunbeam 5.

Junior Heifer Calves (5 shown): 1, Leveldale on Leveldale Blythesome 7; 2, Hanson on HHF Air Reta B 2; 3, Hanson on HHF Gipsy Maid B 2. Senior and Grand Champion Female: Leveldale on Leveldale Miss Ramsden.

Junior and Reserve Grand Champion Female: Hanson on HHF D Augusta B.

Reserve Senior Champion Female: Leveldale on Leveldale Augusta Lass.

Reserve Junior Champion Female: Hanson on HHF Air Augusta S.

Two Females (7 shown): 1, Leveldale; 2-3, Hanson.

Get of Sire (4 shown): 1, Leveldale on Leveldale Basis; 2, Hanson on Sunset Bounce; 3, Hanson on Strowan Souvenir.

Pair of Yearlings (4 shown): 1, Leveldale; 2-3, Hanson.

Junior Get of Sire (3 shown): 1, 2, Hanson; 3, Pierce.

Pair of Calves (4 shown): 1, Leveldale; 2-3, Hanson.

Parasites Cause 2 Billion Pound Loss in Cattle Industry

PARASITES are stealing more and more of the annual livestock dollar, according to a report and summary of livestock losses recently printed in "Losses in Agriculture." Losses due to parasites account for one billion dollars in a 15 billion dollar livestock industry, according to the report.

The cattle industry, with an average production of 19.5 billion pounds, suffers a loss of about two billion pounds of meat a year due to parasites. Swine production, which has an average annual value of about three and a half billion dollars is losing 279 million a year and poultry raisers lose an estimated 126 million dollars each year.

External parasites account for the greatest loss. Of these, hornflies and grubs account for most of the trouble. Few animals are free of parasite infection.

My husband thinks The Cattleman is a wonderful magazine and the Cattle Raisers Association is tops. Mrs. Earnest Cowan, Dale, Texas.

All progressive cattlemen read

The Cattleman

Panhandle

HEREFORD

Breeders

SALE



WED., MARCH 2nd

during the

Amarillo Exposition & Fat Stock Show & Rodeo

February 28 – March 5

- Hereford Show — 4-H and FFA Show and Sale
- Horse Show and Automobile Show
- Panhandle Hereford Breeders Association

SHOW — MARCH 1

39th Annual Blue Ribbon Sale

50 Bulls ★ 63 Head ★ 13 Females

Sale 1 o'Clock, Tri-State Fair Grounds ★ Car Lot Bulls at Private Treaty

Walter Britten, Auctioneer • George Kleier for The Cattleman

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W. D. COLLIER	Ralls, Texas	C. A. KINDER	Frederick, Okla.	WILLIAM S. DAMERON	Hereford, Texas
C. J. FRANTZ	Waka, Texas	DR. W. S. MASON	Clinton, Okla.	TROY N. KINDER	Chattanooga, Okla.
ELMER LANGFORD	Texico, N. M.	FARRELL MEEKS	Dalhart, Texas	W. S. MASON & SON	Cordell, Okla.
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H. D. SLATON	Plainview, Texas	WOODBURN BROS.	Portales, N. M.	BOBBY WAYNE WOOD	Lark, Texas
		W. E. BENNETT	Amarillo, Texas		

For Catalog or Information on Show Entries Write: William Gouldy, Box 586, Amarillo, Texas

For Other Information on Show write Rex Barter, Chamber of Commerce, Amarillo, Texas

J. P. Calliham, President • Bill Dameron, Vice-President

COMING—ANOTHER PANOLA-TATE POLLED HEREFORD CALF SALE

Selling 100 Head — (20 Bulls - 80 Heifers)



**SENATOBIA, MISSISSIPPI
TUES., MARCH 1, 1955**

11 A. M.

Facts About This Sale

1. These calves were all born since Nov. 20, 1953.
2. Every calf is over 11 months of age.
3. Every calf guaranteed smooth headed, no scurs.
4. No calf with extra white in back can sell.
5. These calves represent the best blood lines of this famous Polled Hereford area.
6. Every calf is negative to TB.
7. Every Bull calf is negative to Bang's.
8. Every heifer calf "officially" vaccinated against Bang's.
9. Every calf guaranteed a breeder.
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Panola-Tate County Livestock Association

(AAL)

S. R. MORRISON, FIELDMAN AND MANAGER

SENATOBIA, MISSISSIPPI

Jan. 15, 1955

To Our Prospective Customers

The purpose of this letter is to explain a little more fully about the "Calf Sales" we hold, and particularly about the one coming Mar. 1, 1955 advertised on the opposite page. These sales are "different."

1. About the Free Delivery. This means just what it says. It makes no difference whether you buy one or twenty, we deliver free of charge up to 1,000 miles in the continental United States. This takes us clear to the Canadian border at many points where we will be glad to meet buyer's truck at any custom station. We feel this arrangement particularly helps the small buyer who just wants one of these calves to infuse a little of this famous blood into his herd. This places the sale as near to you as your own door-yard if you live within 1,000 miles.

2. About calf sales. Insofar as we know we held the first registered Polled Hereford calf sale ever held on November 5th, 1949. This sale coming March 1st is our eleventh such sale. This is a sale made up entirely of registered calves, none over 15 months and 10 days of age and in this sale coming, none under eleven months of age. These are exactly the same kind and the same bred calves that were fed another year and which established nine world's record consignment sales under our Panola-Tate banner. As we can see no advantage to anyone by heavily feeding these calves an extra year, we now offer them as calves. They sell for less money; they are not harmed by over feeding; they invariably prove more fertile breeders; and are more satisfactory all around to both buyer and seller.

3. If you cannot come to the sale you can send your mail bid through the Senatobia Bank, Senatobia, Miss. You can have your bank contact our bank and there remains no question about the safety of your funds.

We hope you will attend the sale or send in a bid for one or more of these calves. Why not send for a catalogue?

Sincerely yours,

Panola-Tate County Livestock Ass'n.

S. R. Morrison--Fieldman

Grazing Single Classes of Livestock in Combination With Several Classes

Experiments Conducted by Texas A&M College Show Cattle And Sheep Do Better When Grazing in Combination But Little Difference Is Noted With Goats

By LEO B. MERRILL and VERNON A. YOUNG*

IN the early 1900's, ranchmen on the Edwards Plateau recognized the possible value of grazing cattle, sheep and goats in combination on a given range, and began bringing in sheep and goats to graze with their cattle. Since that time, most of the ranches on the Plateau have been grazed by the three classes of stock.

To determine the advantages as well as the disadvantages of combination grazing, an experiment was established in 1949 on Substation 14, located between Rocksprings and Sonora, in which combination grazing could be studied in comparison with grazing by single classes of livestock. The combinations studied were cattle, sheep and goats, and cattle and goats, cattle alone and sheep alone. All of these comparisons were made in 12 eighty-acre pastures at the following rates of stocking: heavy, 48, moder-

ate, 32; light, 16 animal units per section.

The cattle, sheep and goats were castrated males from yearlings past to twos past. One animal unit equals 1 cow, or 6 sheep or 6 goats.

Reaction of Cattle Grazed Alone, with Goats and in Combination with Sheep and Goats

Results obtained from 5 years of grazing show a distinct advantage in cattle gains from pastures stocked with cattle, sheep and goats, or cattle and goats, over the pasture stocked only with cattle, regardless of the rate of stocking. Gains, however, for the pastures stocked with cattle, sheep and goats over those carrying cattle and goats varied with the stocking rates. Four of the 5 years of the study had severe drouth; therefore, the average gains for the 5-year period were naturally low.

Where grazing was heavy, the average cattle gains per acre were 12.9

pounds with cattle alone, 14.6 pounds with cattle and goats and 15.9 pounds with cattle, sheep and goats. At the moderate rate of stocking, the per-acre cattle gains were 11.2 pounds for the pasture carrying only cattle, 14.7 pounds for that carrying cattle and goats and 13.7 pounds for the pasture in which cattle, sheep and goats were grazed. When pastures were stocked lightly, the per-head gains were considerably higher, but due to the small numbers of animals used, the per-acre gains were much lower. The per-acre cattle gains were 6.7 pounds for pastures with cattle alone, 6.6 pounds with cattle and goats and 9.0 pounds with cattle, sheep and goats.

When all stocking rates for all years were averaged together, the pastures stocked with cattle alone again produced the lowest per-acre gain of 10.2 pounds, as compared with 12.0 pounds for pastures carrying cattle and goats and 12.9 pounds for pastures carrying cattle, sheep and goats.

During the first two years of grazing the pastures stocked with cattle and goats, or with cattle, sheep and goats, did not show a marked cattle-weight gain advantage over pastures stocked with cattle only. This was especially true for the heavily-grazed pastures. However, when the weight gains for all rates of stocking were averaged, the pastures grazed with a combination of cattle, sheep and goats in 1949-1950 made a per-acre cattle gain of 23.3 pounds, as compared with 21.2 pounds for pastures

*Respectively, assistant in range management, Substation No. 14, Sonora, Texas; and head, Department of Range and Forestry, College Station.

SOUTHWEST OKLAHOMA CATTLEMEN'S ASS'N, inc.

16th ANNUAL SALE

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Signed

J. D. Young

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carrying only cattle. In 1950-51, a per-acre cattle gain of 6.0 pounds was obtained from pastures stocked with cattle, sheep and goats, and 4.5 pounds for pastures stocked with cattle only. Cattle from pastures stocked with cattle and goats made average gains of 21.2 and 4.0 pounds per acre in 1949-50 and 1950-51, respectively. These gains were the same as those made in pastures grazed by cattle alone during the first grazing year, but were somewhat less during the second year.

During the 1951-52 grazing year, pastures stocked with cattle only made low weight gains. The gains per acre, when cattle were grazed alone, were less for all stocking rates than for pastures stocked with cattle, sheep and goats or

with cattle and goats. The same trend was observed during the grazing years 1952-53 and 1953-54.

Reaction of Sheep Grazed Alone and in Combination With Cattle and Goats

With one exception, sheep made larger body gains per acre at all rates of stocking when grazed with cattle and goats than when grazed alone. The exception was the grazing year 1952-53, when sheep grazed alone at the light rate of stocking made a slightly higher gain (3.0 pounds per acre) than the 2.9 pounds per acre obtained when they were grazed with cattle and goats.

When the weights for all years were averaged a decided advantage was shown in body weight gains made by sheep

grazed with cattle and goats over sheep grazed alone, regardless of the rate of stocking. At the heavy stocking rate, the sheep grazed in combination with cattle and goats made gains of 12.5 pounds per acre, as compared with 8.2 pounds for sheep grazed alone. At the moderate stocking rate, for the same classes of livestock, gains were 10.1 pounds per acre in combination and 6.4 pounds when grazed alone; and at the light rate the gains averaged 4.6 pounds in combination and 3.9 pounds when grazed alone. When all stocking rates were averaged for all years, the gain was 9.1 pounds per acre in combination and 6.2 pounds when grazed alone.

The increases in body gains made by sheep grazed with cattle and goats, over



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sheep grazed alone also were reflected in the amount of wool produced. With few exceptions, wool production was greater from sheep grazed with cattle and goats than from those grazed alone, although the differences usually were small. When all stocking rates for the five grazing years were averaged, sheep grazed with cattle and goats produced 2.8 pounds of wool per acre, while sheep grazed alone produced 2.6 pounds. Though the difference in pounds per acre appears small, the difference in pounds of wool sheared per head was somewhat larger. Sheep grazed with cattle and goats produced 9.5 pounds per head, as compared with 8.7 pounds per head when grazed alone. When the results of all years are averaged, the ad-

vantage in weight of wool per acre from pastures carrying cattle, sheep and goats over those carrying sheep alone, was much greater for the heavy rates of stocking than for the light. Sheep grazed with cattle and goats at the heavy rate produced 9.3 pounds of wool per head and 4.2 pounds per acre, as compared with 8.3 pounds per head and 3.7 pounds per acre when sheep were grazed alone. At the light rate of stocking, 9.8 pounds of wool per head and 1.5 pounds per acre were produced from pastures supporting cattle, sheep and goats, as compared with 9.4 pounds per head and 1.4 pounds per acre from the pastures carrying only sheep.

Reaction of Goats When Grazed With Cattle and With Cattle and Sheep

Only small differences were obtained in body weight gains and in mohair production when goats were grazed with cattle and when they were grazed with cattle and sheep. No definite trend was established in the five-year period which favored either combination of grazing.

Goats in pastures grazed at the light stocking rate made much less weight gain per acre than those in pastures stocked either moderately or heavily. The per-head gains also were generally lower for the lighter rates of stocking. The per-head weight gain differences were a complete reversal from the gain results obtained for cattle and sheep. This reaction

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was due to the timidity of goats in small numbers. The lightly stocked pastures were grazed with as few as three goats and these invariably became wild and spent much time hiding in the brush. Therefore, they grazed less and their weights were lower than were obtained in pastures carrying larger numbers of goats.

Summary

Cattle grazed alone in native pastures from 1949-50 through 1953-54 made less gains per head and per acre than those grazed with goats or with sheep and goats. The differences were comparatively small the first two years but were pronounced during the last three years.

No marked advantage in weight gain was shown by cattle grazed with goats over those grazed with sheep and goats.

Sheep grazed alone made less body-weight gain per head and per acre than did sheep grazed with cattle and goats. This was true for all years and all stocking rates, except for 1952-53 when sheep grazed alone at the light rate of stocking made a slightly higher gain than those on lightly-stocked pastures carrying cattle, sheep and goats.

Wool weight gains per head and per acre were generally less for sheep grazed alone than for those grazed with cattle and goats.

Little difference was noted in either body weight or mohair weight gains in goats grazed with cattle over goats grazed with cattle and sheep.

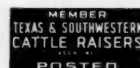
Goats grazed in numbers of less than six in any pasture soon became timid and wild. When disturbed, they either ran or hid in the brush and did not eat sufficient forage for normal gains. The weights of these goats were consistently lower than those of goats grazed in larger numbers per pasture.

Livestock Eating More Molasses

LAST year 391,000,000 gallons of molasses were fed to livestock in this country, the most ever. This compares with 354,000,000 gallons fed in 1953 and the 1947-51 average of 207,900,000 million. One of the reasons for the rather sharp increase is no doubt the fact that molasses prices have been comparatively low in relation to corn and most other feeds during the past two years. During 1954, for instance, the price of No. 3 Yellow corn at Chicago was equivalent in value to 12 to 14 gallons of blackstrap molasses at New York. Molasses prices were much lower in relation to corn prices than the average for the past 20 years, when the price of corn was equivalent to only 8.1 gallons of molasses.

The Cattleman has the greatest circulation among ranchmen of any publication of its kind. If you are doing business with ranchmen advertise in The Cattleman. Write for advertising rates.

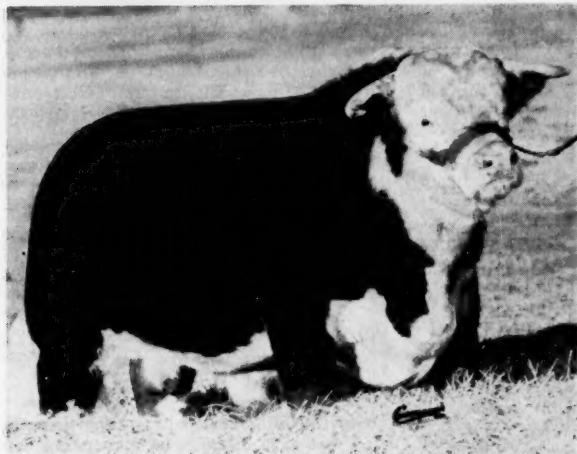
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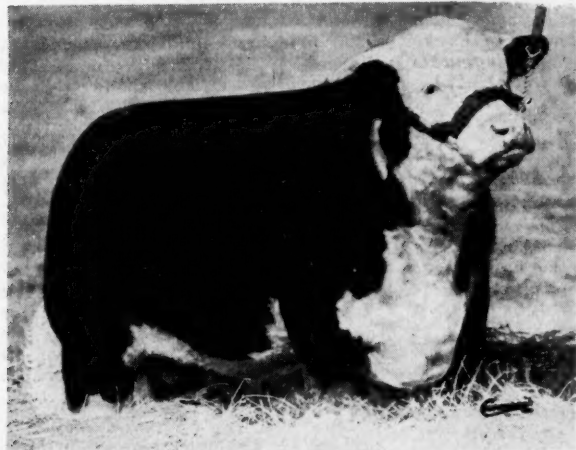
SELLING 46 FEMALES

- Three show heifers, two are by the "74th" and one is by the "216th".
- 43 Females mostly with calves at side or are well in calf to: the "74th", TR Zato Heir 216th or S Husky Paladin.
- Cows are Hazlett, Chief Domino, Zato Heir and Domino Heir breeding.

Featuring the service of

◀ SILVER ZATO HEIR

Our junior herd sire is a son of the "74th." We will have calves by him on the grand sale day. He was the 1954 grand champion at Mid-South Fair, Arkansas Livestock Show, and was first in class at the American Royal and Blue Grass Shows.

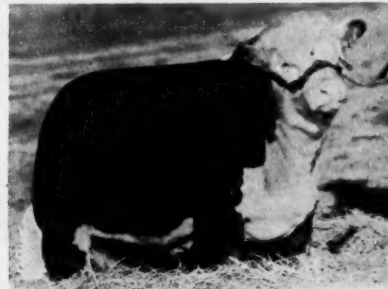


◀ SILVER ZATO HEIR 30th

Full brother to Silver Zato Heir 2nd that topped our 1954 sale at \$7,000. He went to Rose Ark Farm, West Memphis, Ark.

SILVER ZATO HEIR 39th ▶

An outstanding junior calf by the "74th". His dam is a granddaughter of Real Domino 51st.



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Horse Handling Science

Importance of Hind-Foot-First-Change of Leads

By MONTE FOREMAN

Bar S's "Reveille Sawyer" loping in the right lead. I check him in rhythm with his right front (lead) foot . . .

Press him sideways with my right leg . . . and he shifts his hindquarters away from my leg (toward the left) and a hind-foot-first-change of leads will be completed when his hind legs go to the ground, because his front feet are almost forced to take the new lead when he comes down. (However, a horse can miss bringing his front feet across.)

The completed change—and it was done on a straight line with no trying to throw the horse bodily into a change of leads.

Here's changing the front-feet-first. Note horse's hind legs could have been changed at this stride . . . the left hind will go down, then the right hind will go up past it . . .

. . . And (right) land still in the right lead—and it is now that the front feet change and go down; then the hind feet should change when they come off the ground the next time. (Quite a difference between a longer step with a hind foot as in the hind-foot-first-change takes to complete.)

THERE are many reasons a change of leads making the hind-feet-change-first is much better for the majority of cases than making the front-feet-first-change:

The hind-first-change can be completed in only the distance it takes for the horse to make a slightly longer step with a particular hind foot. The front-foot-first-change takes more than the horse's length to complete. This extra distance makes quite a difference to the calf roper after a dodging calf. His horse cannot beat the calf to the turn and the horse's body varies so much the roper either takes a chance at catching or he has to wait valuable time for a surer throw.

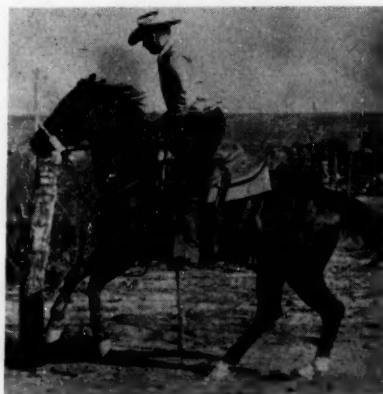
On the hind-foot-change the horse's hind feet *gain* distance on a turn. On the front-foot-first-change they *lose* distance and make a wider turn.

The hind-first-change can be done at all speeds; the front-first-change only becomes more difficult the slower the lope.

On the hind-change the horse's body does very little variation; in fact, he can keep his body straight yet runs sideways making roping easy even on turns. On the front-first-change the horse's body varies greatly making roping much harder.

On the hind-change the horse does not put much weight on his front legs; on the front-change he does, making him slow up, go wide and lose ground on his turn (unless it is a straight-away-change such as race horses use without turning).

There are also other reasons for hind-foot-first-changes, but those named should be food for thought. We are





Left: "War Paint" in the left lead. (War Paint is a freak horse both in conformation and movement. I started training him just to see if I could make a good working horse from one of such bad conformation and movement. Although it has been very difficult I have made motion pictures of his work—and he'll work.)

really getting into scientific horse handling now and it is hard to prove to you—and you want proof the same as I—by words and sequence pictures in these short articles. However, those of you who have seen some of the motion pictures I've shown before many horse clubs and associations have seen the proof and can understand the importance of this change of leads—as well as many of the other things we've talked about in past articles. Most of you ask me "HOW" to do it, so here 'tis:

The best changes of leads are done by the rider's leg aids with an assist of a slight check on the reins as the horse rolls up on his lead leg. Yes, it takes lots of timing—both yours and the horse, but when you get it down you will wonder how you ever got along without it. Follow the photo-sequence-illustrations, study the text closely, and you may be able to get it to work. In the past I've only seen two people who could do it "on call" (Susan Norton Jones and Jack Hine) and both have won many handling classes. Susan is beyond a doubt the best horsewoman I've ever seen.

AUTHOR'S NOTE: We have tried for almost a year to get a sequence series on the hind change of leads. It happens so fast that two pictures a second won't photograph it. I bought a camera that takes eight pictures a second in order to record it on "WAR PAINT" . . . You will perhaps notice the rider is not sitting the saddle for these changes—neither hind nor front-first changes. It helps the horse to change his hindquarters easier when the rider's weight is more to the center of the horse's balance—or "carrying spot."

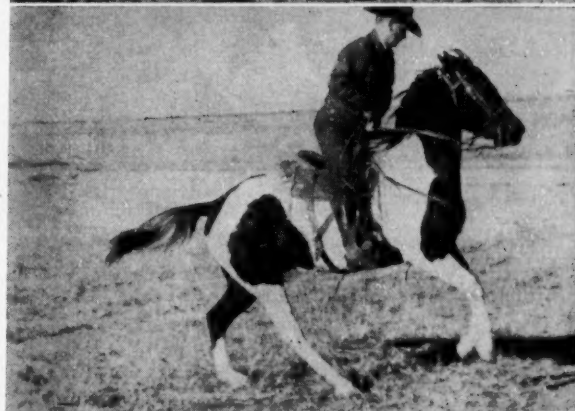
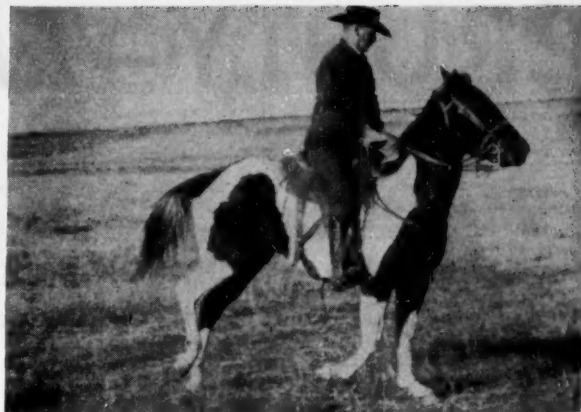
A few copies of *Horse Handling Science, Volumes I and II*, are still available at \$1.00 each. Send check or M. O. to Special Book Dept., 410 East Weatherford, Fort Worth. Volume III will be printed soon—watch for it!

Rolling up on his lead foot he is checked with the reins (later this check is only an indication). Then I press with my left leg to make his hind quarters shift to the right.

He shifts his hind quarters to the right as he rolls off his lead leg.

. . . Landing in the right lead with his hind feet. His front feet will almost be forced to take the right lead also, but the front lead can also be missed. Rider and horse timing really counts in this hind change.

The front feet land in the right lead. Study this sequence as to riding and note rider's weight is taken off the horse's hindquarters so they may make that longer step with the right hind leg easier. (It would have been better if I had not sat down in No. 10 picture, but an unsteady horse is hard to do just the right thing on all of the time. Sequence pictures are very critical, but they help us to learn to do better. Perfection is the aim but it's mighty hard to do.)



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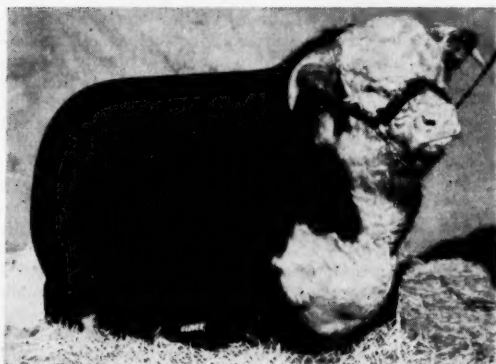
VVCK ZATO 76



✓ TR Zato Heir 40 6028700 {TR Zato Heir 5380000
T. Lois Rupert 39 4146138
✓ CK Carolyn 80 7092704 {CK Cruiser D. 33 4317171
CK Lady Sensation 3589702

This light yellow son of the 40th is a straight-legged calf with plenty of bone.

VVCK CRUSTY NINE 66



✓ CK Crusty 9 5377783 {CK Cruiser D. 34 4317172
CK Donna Dom. 49 4551979
✓ CK Miss Charity 61 3911591 {Adv. B. Domino 2885295
WHR Roy. Duchess 17 2199083

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DO IT NOW

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Dr. O. D. Butler, meats specialist in the animal husbandry department at Texas A. & M. College, shows the fine points of a side of beef, illustrating breeding, selection and fattening practices.



Back to School

Cattlemen Are Taking Advantage of Short Courses in Ranch Management Offered by Texas A&M College

By RON LOGAN

TEXAS cattlemen are going back to school! They're attending classes to help themselves meet the changing agricultural picture and come out on top.

Never before has the beef production picture shifted so rapidly. New breeding work, new management practices and new ideas on feeding are only part of the whole picture.

While most of the really big ranches remain in the western part of the state, cattlemen have seen a new movement grow until now more beef is produced each year in East Texas than in West Texas. Some old-time cattlemen blame the drouth for the mass shift; but the drouth only speeded up a movement already well under way — a movement centering around a different type of beef operation.

As Dean C. N. Shepardson of the Texas A. and M. School of Agriculture put it in a recent address: "We are getting back to what has made this country what it is — to a competition of efficiency." Yet the dean himself is one of the first to say that old-time, belt-tightening, hard-work efficiency is not enough by itself. New agricultural methods and materials force cattlemen to stay up-to-date if they want to stay in business.

So the dean's School of Agriculture has strengthened another phase of its activity as the state's land-grant college; that of adult education. For the first time, regular college teaching personnel are now conducting short courses in local communities, where all who want to may attend.

"These off-campus short courses are offered in several subjects, but the ones cattlemen are finding worthwhile are on pastures and beef cattle," the dean says.

"In my course on beef cattle I cover basic factors in selection and culling for breeding purposes; parasite and disease control measures; feed management practices and record-keeping," Prof. John K. Riggs of the animal husbandry department says. "I also discuss any spe-

cial problems which are troubling the folks attending the class."

Dr. R. C. Potts of the agronomy department, who conducts the courses on pastures, says: "I go into nutritional requirements of cattle; the cow's ability to take needed nutrients from hay and pastures; nutrients available in pasture forages; soil additives for improved forage production, both in quantity and in quality; the best types of forage plants for the particular area, and any special problems facing class members."

Both Professor Riggs and Dr. Potts invite other specialists from the college or some other part of the Texas A. and M. System when their subjects can be useful.

Most of the "students" are now cattlemen who are comparatively small operators with from one to a hundred head, who handle them more on a beef farming basis than along old-time ranching lines. But a lot of well-known cattlemen attend them, too.

In courses held at Wharton, Carthage, Canton, Kaufman and Tyler, some of the better-known students were L. M. Slone and Francis Savage of Bay City; Bill Porter of Terrell; N. E. Walker of Carthage; Jimmy Myrick of Tyler, and the foremen from the Shanghai Pierce Ranch and from the Four Wynnes outfit.

Those attending Dr. Potts' pasture courses own ninety per cent of their land — which ranges from 100 to 110,000 acres.

Three more courses already were planned at the time of this writing. In January Dr. Potts scheduled a course at Carthage and Professor Riggs was planning one in Harris county. During the week before Easter, Riggs will conduct another in Walker county.

Texas cattlemen are going back to school — and liking it. County agents in areas where several of the courses have already been held are arranging for courses on other subjects, and in some cases, for return engagements on the same subject.

Professor Riggs was winding up a course recently when he noticed one "student" slowly shaking his head as he prepared to leave the room, so he asked the man if he had another question.

"No! No more questions." Then after thinking for a moment, the man said, "You know — I was just thinking; if I'd had this course two years ago it sure would have saved me a lot of money!"

Roper From Antelope

(Continued from Page 24)

tered away before Elmer could lay his hands on it.

The long time it took him to remount and catch the calf again completely dispelled any hopes of placing in the average money. But there was still a chunk to be won for the fastest tie of the contest, and on his next run, Elmer wrapped up a long-legged Brahman youngster in 11.6. He missed out on the money by just a few tenths of a second, but it was a great try.

The horse Elmer was using in this contest was Snip Blake, a copper-colored dun by Tubal Blake out of Doggie by Sweetheart. Bred by R. A. Brown of Throckmorton, Snip Blake, under Elmer's ownership, became one of the most sensational calf horses on the rodeo circuit.

He stood 15 hands tall and weighed 1,125 pounds. In 1952 Elmer was offered \$5,000 for Snip Blake, but he decided to keep the horse and was money ahead for doing so. He was a steady winner riding the stout gelding, and tied some very fast calves on him. Some of these times were 11.2 and 10.2 at Little Rock, Arkansas; 10.2 at Fort Worth Horseshoe Club roping; 9.8 at Anadarko, Oklahoma; and 9.4 at a 1953 Midland jackpot, after a big roping in which he won second in the average also riding Snip Blake.

At two big 1953 Texas winter shows, Fort Worth and Houston, the horse came into his own as a "building" mount, and many of the ropers that year said he was the greatest they'd ever seen. In ten days, Elmer won \$3,280 by placing in the day moneys at both shows and winning the average at Houston by tying three calves in 57.4.

Snip Blake scored perfectly. He had a terrific stop and he worked a good rope, helping Elmer to get to a calf and tie fast. When he had to destroy the eight-year-old horse last August, Elmer Carter was one sad cowboy, but Snip had suffered a vertebrae separation which paralyzed his hindquarters.

"I never expect to ride another horse," says Elmer, "that fit me like he did. He had placed in many of the top Quarter Horse performance classes in the country, too. In fact, he placed in every one he was ever entered in—Houston, Vernon, Olney, Omaha, Nebraska, and some more."

But you can't keep a good roper off a good horse. Elmer's busy working on several now, and one he's especially hopeful about is another R. A. Brown-bred horse, a five-year-old named Brownie Blake, by Snip Blake's sire and out of a granddaughter of old Joe Hancock. Like his half brother, this brown gelding can run,

stop and "shows lots of promise," according to Elmer. He is 15 hands tall and weighs 1,050 pounds. Already Elmer has won or placed at a few shows on him, including Ardmore, Albuquerque and Waco.

Still another R. A. Brown-bred gelding in Elmer's string of young prospects is Joe Bailey Rickles, by a Joe Bailey stud and out of a Hancock mare. This horse is also five, and so far Elmer has won or placed on him at Boulder and Woodland Park, Colorado, where he tied a calf in 9.8.

The third horse in his current crop of roping mounts is a four-year-old sorrel gelding by Bill Cody named Raemon Cody. He has been hauled to three shows and Elmer has picked up three checks for his efforts—Rush, where he won first; Chickasha, second; and Ada, fourth.

None of these horses was trailered to rodeos very much last year, but Elmer believes this year he'll "be mounted." If these three don't show good stuff, Elmer has two others in reserve: a 6666 Ranch gelding by Joe Tom Hancock, and a Thoroughbred gelding by Ariel Ace.

With these five horses to work on in the coming years, Elmer Carter is apt to go to the top of the heap in professional calf roping before too long.

When a man can tie two calves at one rodeo, one in 10.9 and the other in 8.2, as Elmer did last year at Atoka, Oklahoma, then, I think, he's capable of anything that's possible in the sport of rodeo roping. Keep an eye on this Carter boy and his up-and-coming horses.

R. A. Cox President of Heart O' Texas Fair

R. A. COX, Waco business man, was elected president of the Heart O' Texas Fair at a meeting held recently. He has served on the board of directors since the fair first started. Virgil Walker, Leroy, and R. A. Gorham, Bosqueville, were elected vice presidents. Other officers are: Winthrop Seley, Waco, treasurer; and Ralph W. Russell, Waco, secretary.

Othel M. Neely, executive vice president and general manager of the 1954 show, was also re-elected.

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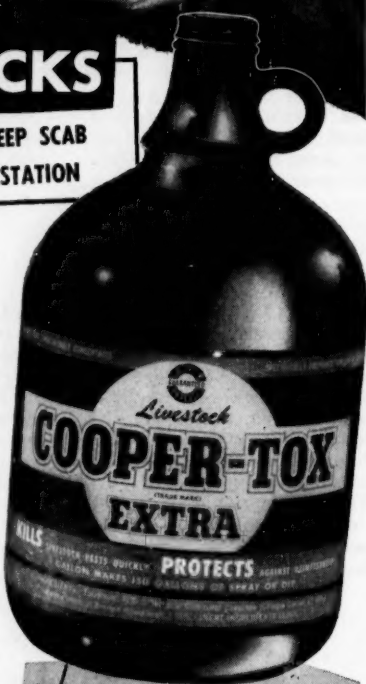
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**Fertilizer Helps Texas
Agriculture Prosper**

Condensed from the January, 1955,
Texas Business Review

TEXAS farming and ranching is becoming a chemical industry. Before the surprised and skeptical eyes of old-time farmers and ranchers, a new generation of agricultural specialists are feeding and treating their crops with a variety of chemical products and reaping their rewards in the form of record harvests.

Since the 1930's, cotton farmers have raised their average yield per acre about 60 per cent. Cattle raisers today produce about 30 per cent more beef and veal than in the 1920's. Nationally the use of fertilizers during the last 15 years has tripled to 25 million tons and use of all other agricultural chemicals has jumped tenfold.

Yields of wheat and oats in Central and North Texas have been increased as much as 10 bushels and 26 bushels per acre, respectively, by the proper use of fertilizers, according to tests made by the Texas Agricultural Experiment Station.

Agricultural chemicals limit the crippling effects of animal and plant disease in the state and attack and kill harmful weeds. But, despite the progress made in farming through the use of agricultural chemicals, the battle is by no means won; in fact it has scarcely begun. Farmers spend more than \$300 million annually for pest control materials. But regardless of all man's effort, he has not eradicated one single insect species from the earth.

The use of agricultural chemicals is expanding, with sales of soluble fertilizers increasing about 50 per cent last year. While larger-acreage farmers use more fertilizer in proportion to the acreage cultivated, smaller farmers are finding that it pays them to use fertilizers too. Manufacturers have reported increased sale of all kinds of agricultural chemicals in Texas during recent years.

Ranchers are showing great interest in the problem of weed and brush control. Predictions are that weed-spraying in pastures will become increasingly important to ranchers in the near future because the greater forage production resulting from use of chemicals more than offsets cost of spraying.

**Champions of Quarter Horse
Show at International**

BILL HANCOCK, owned by Mike Bowling, Sycamore, Ill., was named champion stallion of the Quarter Horse show held during the International Livestock Exposition in Chicago. Poco Turp, owned by H. C. Spinks Clay Co., Paris, Tenn., was reserve champion.

The grand champion mare was Hanna Jo, owned by John Bowling, Sycamore, Ill., and Cow Lady, owned by the H. C. Spinks Clay Co., was reserve champion.

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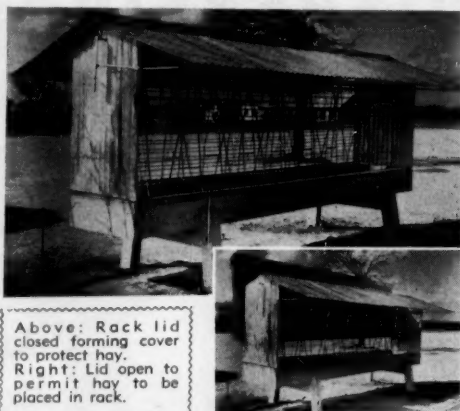
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A Test for Anaplasmosis

Reprinted from Agricultural Research U. S. Department of Agriculture.

TEN YEARS of research by USDA, and recently by experimental laboratories of Maryland and several other states, has produced a practical test to identify carriers of the costly cattle disease anaplasmosis. This test is similar to the well-known Wassermann test for human disease.

A way to produce dependable testing material in quantity has just been perfected. This makes it possible to conduct extensive farm-scale experiments looking to the practicability of using the test in a control program for anaplasmosis. In the South and West, where this disease occurs, such experiments may show within a year or two whether it can be controlled or even eradicated in a practical way.

Unchecked in this country for a quarter century, anaplasmosis costs some \$10 million annually in mortality and unthriftiness of cattle. Like Texas fever—a serious cattle disease eradicated by USDA some years ago—anaplasmosis is caused by a protozoan parasite that destroys red blood corpuscles. It causes high fever, anemia, weight loss, termination of milk flow, and other serious disturbances—sometimes death.

USDA animal pathologists are working out cooperative plans with livestock sanitation officials in several states to learn something about the number of infected animals in different areas. The researchers also hope to learn more about ways in which anaplasmosis is spread. Some species of ticks and horseflies carry the disease, but we know little else about its transmission under natural conditions.

A large number of herds will be tested on farms and ranges. When the extent of the infection is known, it will still be necessary to conduct extensive field trials to find practical control measures.

Incidentally, anaplasmosis seems to be harmless to man, and the cow is primary host. Cattle often recover from the disease and live normal lives, but continue as carriers. Meat of cattle infected with anaplasmosis is safe human food.

Diagnosis for anaplasmosis is made by a complement fixation test. The test was worked out about 10 years ago by ARS animal pathologists W. M. Mohler, L. O. Mott, and D. W. Gates. It depends on the use of an antigen—extract of the disease parasites from the red blood cells of infected cattle—as a disease detector. Specifically, the antigen shows whether the blood of a suspected animal contains antibodies, those defensive blood substances that the animal creates to combat the parasite. The test is now showing a diagnostic accuracy of about 98 per cent when used against known carriers of the disease.

Although the antigen was developed 10 years ago, improvements in the method of producing it were only recently worked out in cooperation with scientists at the University of Maryland. This has now made it possible to set up antigen production for large-scale field trials.

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Brown County Polled Hereford Sale

SUMMARY

35 Bulls	\$15,805; Avg.	\$452
13 Females	3,095; Avg.	238
48 Head	18,900; Avg.	396

THE 19th annual sale sponsored by the Brown County Polled Hereford Breeders Association was held at Brownwood, Texas Jan. 22. The offering of 48 lots sold for an average of \$396.

Top selling animal of the sale was GR Mischief Blanco 4th, a Nov. 1952 son of GR Mischief Blanco, consigned by the Gill Ranch, Whon, Texas. He sold to Paul Martin of Menard, Texas on a bid of \$1,700. R. O. Sheffield of San Angelo

paid \$1,475 for C Domestic Mischief 57th, another son of GR Mischief Blanco, consigned by Carl Sheffield, Brooksmith, Texas. Domestic Anxiety 125th, a son of Domestic Anxiety consigned by R. R. Woodward, Sabinal, Texas sold to Dr. C. C. Edward of Mexia, Texas for \$1,200. O. H. Foy of Anson, Texas paid \$1,000 for SHR DW 9th consigned by Sam Swann, Merkel, Texas.

Top selling female of the sale was Miss Bonny B Dom 114th, a Jan. 1954 daughter of Bonny B Dom 57th, consigned by Joe and Joe Dan Weedon, Grosvenor, Texas. She sold for \$440 to R. R. Woodward, Sabinal, Texas.

Walter Britten of College Station was the auctioneer.

Holland Heads Highland Hereford Group

GABE HOLLAND of Presidio, Texas, was recently elected president of the Highland Hereford Breeders Association, succeeding J. P. Kennedy of Marfa.

Other officers elected at the 37th annual meeting were J. E. Whiten, Marfa, first vice-president and A. Forrest Hope, Marfa, secretary-treasurer.

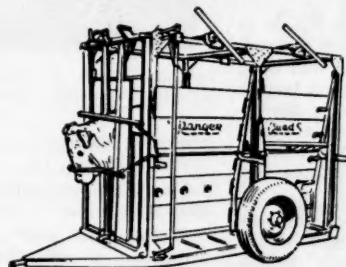
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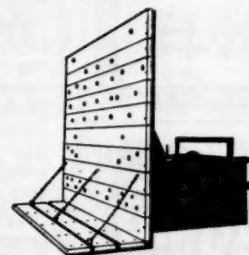
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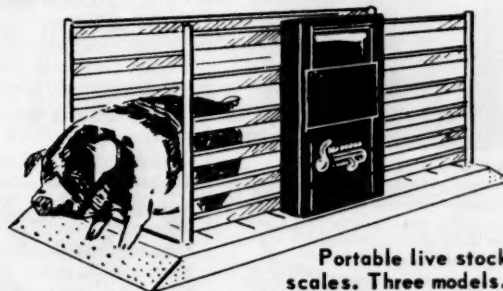
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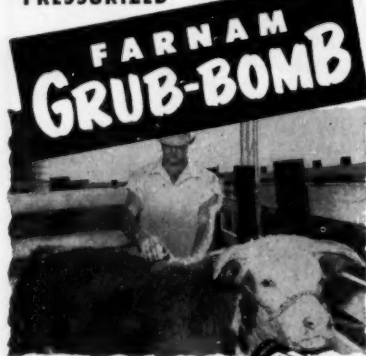
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Cattlemen Approve National Beef Council at Reno Meeting

Delegates at American National Convention Vote to Expand Scope of Beef Promotion on Nationwide Basis.

THE 58th annual convention of the American National Cattlemen's Association held in Reno, Nev., January 10-12 emphasized the vital importance of promoting beef consumption throughout the nation and took steps to organize a National Beef Council which will enlist the support of all segments of the industry and coordinate the activities of the various existing promotion programs throughout the nation. A resolution adopted at the convention authorized president Jay Taylor, of Amarillo, to "take such steps as he may deem proper to sponsor establishment of Beef Council to further encourage the consumption of beef and beef products." This council is to help coordinate beef promotion at the state and local level and to proceed with organization, financing, and direction of continuation and expansion of beef promotion throughout the nation.

The convention also amended laws to establish within the organization a standing Feeder Committee, which will open the way for feedlot operators and farmer feeders to actively participate in the organization. It was felt that this action will result in formation of affiliate groups in the Corn Belt and states further east.

Taylor, dynamic leader in the campaign to work the cattle business out of its difficulties by adopting "self help" principles, was unanimously reelected president for the 1955 term, as was Don Collins, Kit Carson, Colo., first vice president.

Five new vice presidents were elected: Hayes Mitchell, Marfa, Texas; O. W. Lynam, Burdett, Kans.; N. H. Dekle, Brusly, La.; A. R. Babcock, Moore, Idaho; and Don Short, Medora, N. D.

New Orleans was selected for the convention city in 1956.

Speakers on the program included Jay Taylor, Amarillo, Texas, president of the association; F. E. Mollin, Denver, executive secretary; J. Evetts Haley, Canyon, Texas; Charles H. Russell, governor of Nevada; Roy G. Bankofier, president, Nevada State Cattle Association; T. W. Athey, Jr., vice president, Alabama Cattlemen's Association, Grady, Ala.; Harvey McDougal, president, California Cattlemen's Association; Rio Vista, Cal.; Robert H. Reed, editor, Country Gentleman-Better Farming, Philadelphia, Pa.; E. J. Maynard, Great Western Sugar Co., Denver, Colo.; William Wood Prince, president, Union Stock Yard and Transit Co., Chicago, Ill.; Stephen H. Hart, National Livestock Tax Committee, Denver, Colo.; and R. C. Pollock, director of



Jay Taylor, President American National Cattlemen's Association.

research, National Live Stock and Meat Board, Chicago, Ill.

Other resolutions adopted by the association:

Thanked the host of agencies and institutional groups for the excellent cooperation on the American National's Beef Promotion campaign;

Urged that all cattlemen and cattle organizations contact their congressmen and urge them to see that 62 Charollaise cattle smuggled into this country from a foot and mouth disease area in Mexico be slaughtered or sent out of the United States;

Reiterated need for long-term credit on producing cattle herds and instructed Legislative committee to work with various agencies toward setting up a plan that would accomplish this purpose;

Outlined program of emergency drought and disaster assistance that would assure continued ownership or operation of family enterprises wherever there is reasonable expectation that such borrowers can work out present difficulties;

Approved research being carried on in the ways and means of improving methods of production, processing and merchandising of beef and encouraged the association to look with favor on research in the field of tenderizing beef;

Approved the association's support of a brucellosis eradication program on a voluntary basis administered by state and regulatory officials;

Recommended an investigation of the

entire system of processing and pricing of cottonseed products;

Requested that the chief forester of the United States Forest Service grant greater flexibility in regulations so that there is more uniformity between regions;

Urged Congress to fully implement provisions of the Granger—Thye Act on range improvement funds authorized and that all range improvement funds by the act be so allocated;

Instructed the secretary of agriculture to work with proper authorities to regulate the flow of Mexican cattle into the United States when such importations have an adverse affect on the market;

Recommended that economy in government be effected through recommendations of the New Hoover commission;

Asked that social security apply to self-employed ranchers only on a voluntary basis;

Urged a careful examination of reciprocal trade agreements and that foreign products shall not be admitted into this country when they endanger the living standards of American workmen, farmers or stockmen or threaten serious financial injury to a domestic industry;

Urged continuation of the Buy American policy which has been expressed by amendment to the military services appropriations bill the past several years;

Thanked the railroads for the voluntary reduction in freight rates on feeds shipped into drouth stricken areas;

Recommended the re-introduction of grazing bills and the principals embodied in it in the new Congress;

Commended Secretary of Agriculture Beason for his steadfast efforts to pull agriculture from government support and regulation and put it back on a self-determining basis and pledged continued support in his undertaking.

Concho Hereford Sale

SUMMARY

40 Bulls	\$22,095; Avg.	\$552
10 Females	2,815; Avg.	282
50 Head	24,910; Avg.	498

THE eighth annual sale sponsored by the Concho Hereford Association was held at San Angelo, Texas, Jan., 8 with the offering of 50 head selling for an average of \$498.

Sansom Cattle Co., Paint Rock, paid top money of the sale on a bid of \$1,350 for JB PR Publican 48th, a Nov. 1952 son of Prince Publican consigned by Price Turner, Best. WB Larry Mixer Domino 19th, a Jan. 1953 son of Larry Mixer Dom. 20th, consigned by W. B. Barret, Comanche, sold to Geo. Wallace of Sonora for \$1,050. R. W. Wallace of Sonora paid \$1,000 for BHF Proud Mixer A JR, a Sept. 1951 son of HG Proud Mixer consigned by Bowen Hereford Farms, Coleman.

Top selling female of the sale was BHF June Larry Mixer, a May, 1953 daughter of FC Larry Domino 22 consigned by Bowen Hereford Farms and purchased by Curtis Belles of Big Lake for \$335.

Walter Britten of College Station was the auctioneer.

SELLING IN THE SAN ANTONIO HEREFORD SALE FEBRUARY 22 Two Top Bulls

- One son of TR Prince Larry 8th, he the sire of the champion bull and champion female at the recent Big Spring, Texas, Sale. This bull is a senior calf and shows a lot of promise.
- One son of EG Proud Mixer 11th—he is a summer calf and a real prospect.

See our offering at San Antonio. We invite you to come by the ranch and see our herd and the prospects we have . . . we specialize in top quality bulls for the range.

WINSTON BROS. • SNYDER, TEXAS

SELLING AT THE SAN ANTONIO HEREFORD SALE February 22 Two Bulls—Two Females

All sired by Silver Spartan 25—all junior calves.

- Silver Randolph 1—meat and type and the best bull we have ever offered for sale.
- Real Silver 1—excellent head and legs.
- Miss Silverbelle 1—the best female we have ever consigned to a sale.
- Miss Silverbelle 7—thickness and type.

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Plenty of pressure and volume for spraying livestock, farm buildings, orchards or fence rows—up to 350 lbs. pressure (4½ gal. per minute) at normal PTO speed.

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WRITE For Catalog showing variety of Trak-Tor Sprayers offered, also "Wide-Jet" Sprayers. All at new low prices! Also "30-Day Trial Plan." Write—

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Shirley Sales Service Satisfy

All Progressive Ranchmen Read The Cattleman.

Selling at the San Antonio Hereford Sale Feb. 22

- ★ WB LARRY MIXER DOM. 27th, son of Larry Mixer Dom. 20th, calved Jan. 2, 1954
- ★ WB LARRY MIXER DOM. 28th, also a son of the "20th," calved Jan. 4, 1954
- ★ WB LARRY MIXER DOM. 32nd, calved Jan. 16, 1954.
Here are three TOP junior calves. Watch for them.
- ★ WB LADYMIX 254th, daughter of HG Proud Mixer 673d, calved Oct. 24, 1953
- ★ WB LADYMIX 216th, another "673d" heifer, calved Feb. 3, 1953, bred to B&D Zato Heir
- ★ Our show herd goes to Fort Worth, Houston and San Antonio.



DARRET

Hereford Ranch

COMANCHE, TEXAS

100 Miles SW of Fort Worth on Highway U. S. 67

W. B.
W. J.
D. K.



DB Larry Domino 34th

Selling in the SAN ANTONIO HEREFORD SALE FEBRUARY 22

Two Bulls:

- ★ One son of WHR Royal Duke 107th
- ★ One son of AEF Publi-can Domino 32nd

DB LARRY DOMINO 34th is one of the many top bulls being used to produce quality Herefords. This outstanding bull was champion at several major shows and he is siring top calves for us.

For Sale at the Ranch—A number of quality range bulls—range raised. We have both serviceable age bulls and bull calves.
Come by any time.

DUDLEY BROS., Comanche, Texas

Gail, Tom and Eltos Dudley, Owners

Howard-South Plains Hereford Sale

SUMMARY

24 Bulls	\$ 9,825; Avg.	\$409
13 Females	2,805; Avg.	216
37 Head	12,630; Avg.	341

A TOP of \$1,075 was attained on the 37 lots of cattle offered at the Howard County-South Plains Hereford Association Sale held at Big Spring, Texas Jan. 6. Average price paid for the cattle was \$341.

Jess Koonsman, Snyder, Texas paid the top money for OHR Prince Larry 21st, an Oct. 1953 son of TR Prince Larry 8th consigned by R. H. Odom, Jr., Snyder. W. B. Larry Prince, an Oct. 1953 son of TR Prince Larry 7th consigned by Winston Bros., Snyder, sold to Reed Brothers, Sterling City for \$535. W. J. Harvey, Jr. of Sweetwater paid \$510 for Choice Lamplighter 10th, consigned by S. F. Buchanan, Big Spring, Texas.

Top selling female of the sale was OHR Cora 2d, a Sept. 1953 daughter of TR Prince Larry 8th consigned by R. H. Odom, Jr. and selling to Dudley Hamilton of Rochester on a bid of \$420.

Walter Britten of College Station was auctioneer.

A. P. H. A. Rescinds Six-Month Registration Rule

THE American Polled Hereford Association has rescinded its six-month rule governing the registration of Polled Herefords thus permitting calves to be recorded any time after birth. Prior to this ruling calves had to be at least six-months-old before they could be registered. The Board of Directors of the American Polled Hereford Association rescinded the old rule at its annual business meeting held in Columbus, Ohio, recently.

D. V. Chittenden, American Polled Hereford Association Executive Secretary, said that under the present set-up the breeders' procedure for recording Polled Hereford calves as double-standard registered animals will be much easier.

After recording newborn calves with the American Hereford Association, he said, when the AHA papers are returned the breeder may then send them and an application for entry into the American Polled Hereford Association without having to wait until the calf reaches 6 months of age.

Waiver of the 6-month age ruling also will apply to single standard registered calves with the American Polled Hereford Association. They, too, may be recorded any time after the calves are born.

XIT Rangers Meet

GARLAND T. PALMER, farmer-stockman of the Coldwater community, 30 miles north of Dalhart, was elected president of the XIT Rangers at a meeting held at Dalhart recently. He succeeds Charley Lockhart, stockman of Dalhart. Tim Fields is vice-president; Archie Bailey, secretary-treasurer; Kenneth Stanley, Gorden Beall, Ed Latham, George Farr, directors.

FRED MUELLER.

Big FREE STOCKMEN'S CATALOG No. 154

SAVE on RIDING EQUIPMENT AND WEARING APPAREL

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American Hereford Association Adds 235 New Members

TWO hundred thirty-five Hereford breeders over the nation were named to membership in the American Hereford Association during November and December of 1954. The additions to the official roster boosted the Association's total membership to an all-time high of 24,808.

Included among the new members were the following:

Texas—Myatt's Hereford Farms, Abernathy; Melvin Sessions, Alto; Patterson Bros., Big Spring; J. G. Peniston, College Station; Edmiston Bros., Eldorado; W. K. Mullican, Jr., Ennis; Frank Petr, Ennis; L. H. Kronig, Gonzales; Carl Detering, Houston; W. J. Mechura, Houston; Majors & Bankston, Kaufman; Maxie & Jacqueie, Overstreet, Lipan; Troy J. Thomas, Plainview; G. D. Everett & Sons, Stephenville; AA Hereford Ranch, Wichita Falls.

Oklahoma—Nolan Young, Ada; Wheeler Farm, Chickasha; Clarence F. Frickenschmidt, Enid; Honey Creek Ranch, Grove; Damon Doye, Lawton; H. G. Combs & Sons, Loyal; Noblin & Son, McAlester; Ollie E. Hatcher, Paoli; Fritz Kelln & Son, Shattuck; Vern N. Vandever, Tulsa.

New Mexico—E. V. Rushing, Clovis; Oscar and Mary Dickens, Datil; C. W. Jobe, Hobbs.

Colorado—Flying 4 Ranch, Austin; J. L. Ranch, Basalt; Beverly J. and C. F. Augustine, Lamar; S. M. Haszelbart, Littleton; B. P. Franklin, Jr., Meeker; F. M. Graham, Woodland Park.

Louisiana—William Melancon, Carencro; Wm. H. Robbert, New Orleans; Ford Ware, Rayville; Cyrus and Jerry Fielder, Shreveport.

Mid-Texas Hereford Sale

SUMMARY

35 Bulls	\$11,335; Avg.	\$324
25 Females	5,345; Avg.	214
60 Head	16,680; Avg.	278

THE 60 lots of cattle offered in the Mid-Texas Hereford Breeders Sale held at Stephenville Jan. 10 sold for an average of \$278.

Top selling animal of the sale was the bull CN Larry Topmate 49th, an April, 1953 son of Duke's Prince Larry consigned by Chas. Neblett, Jr., of Stephenville. He sold for \$1,300 to A. B. Yearwood of Stephenville. Ben Waller of Gatesville paid \$560 for DB Larry Domino 234th, a Sept. 1953 son of JJ Larry Domino 7th. Energy Prince Larry, a son of Energy Larry 9th consigned by John M. Watts and Son, Energy, Texas, sold on a bid of \$500 to J. E. Boddy, Henrietta.

Boddy also paid top price for the females purchasing CN Larry Topmaid 35th, an Oct. 1952 daughter of Duke's Prince Larry consigned by Chas. Neblett, Jr., for \$600. Mayhew and McBride, Blanket, paid \$400 for CN Larry Topmaid 41st, also consigned by Neblett.

Walter Britten of College Station was the auctioneer.

FOR SALE TOP HEREFORDS Offering

- ★ 239 SERVICEABLE AGED BULLS, 15-24 months old. Big boned, rugged range bulls, bred right and handled under ranch conditions, not pampered but in good, thrifty, ready-to-use flesh.
- ★ HERD BULLS, several promising ones. Some will be in our show string, and others will be in the show barn at the Ken-Caryl Ranch.
- ★ 141 BRED 3-YEAR-OLD HEIFERS, will start calving in April. Handled under range conditions, but in good, thrifty growing condition.
- ★ 238 OPEN HEIFERS, 15 to 20 months old. Includes every heifer in the crop. In thrifty ranch flesh. All are top breeding prospects and are priced in line with quality cattle and conditions.

Call us or write us for further information and transportation from Denver to either ranch.

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Ken-Caryl Ranch, Littleton, Colo. — Hartsel Ranch, Hartsel, Colo.

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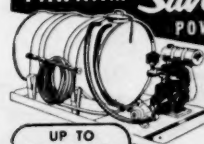


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Lowest Cost
HIGH-PRESSURE
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UP TO
250 LBS.
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Sells for half the price of any other power sprayer. Plenty of pressure and volume for spraying livestock, buildings, orchards, etc. Equipped with NYRO "Nylon Roller" Pump. Powered by direct drive from 2.6 H. P. gas engine. Write for Illustrated Literature and "30-Day Trial Plan"

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Hereford Transactions

John & Margaret McInnis, Byrds, Texas sold 14 Hereford heifers to Maude O'Conner Williams, Victoria, Texas.

Six Hereford bulls have been reported sold by R. H. Odom, Jr., Snyder, Texas to Elsinore Cattle Company, Ft. Stockton, Texas.

Two Hereford bulls, nine cows and four heifers have been sold to Leo Knox, Crockett, Texas by W. R. Johnson, Jacksboro, Texas.

Gus Farrar, Maryneal, Texas sold four Hereford bulls and 25 heifers to W. F. & Wylie Hudman, Lubbock, Texas.

Don Carter King, Jermyn, Texas purchased seven Hereford cows and a heifer from Mr. and Mrs. Charles E. King, also of Jermyn.

F. C. Mellard, Marfa, Texas recently sold Joe T. Lane, Alpine, Texas a Hereford bull, eight cows and four heifers.

R. L. Cocanougher, Hereford, Texas sold 10 Hereford bulls and 50 heifers to Roger Williams, Victoria, Texas.

Seventeen Hereford cows and two heifers were purchased by William B. McCartney, Lavon, Texas; from M & H Stock Farm, Dallas, Texas.

Thomas F. Abbott, Jr., Fort Worth, Texas sold six Hereford cows and two heifers to George L. Krohn, Fort Worth.

R. J. Carey, Caddo, Texas recently made the sale of 17 Hereford heifers to Northwoods Stock Farm, Fort Worth, Texas.



Champion carload of bulls, National Western Stock Show, Herefords, owned by Bridwell Hereford Ranch, Wichita Falls, Texas.

E. E. Silk, Newlin, Texas sold a Hereford bull and 12 cows to C. T. Palmer, Shamrock, Texas.

A. E. Gates, Laredo, Texas bought 14 Hereford bulls from John F. Lewis, Floydada, Texas.

Gordon Thompson, Paris, Texas sold seven Hereford cows and six heifers to A. D. Weir, Honey Grove, Texas.

R. R. Messer, Georgetown, Texas sold 17 Hereford cows to Joe A. Shepperd, Burnett, Texas.

Ten Hereford cows have been sold by Norwood and Oldham, Samnorwood, Texas to Crocker Ranch, Corpus Christi, Texas.

R. W. Herrin, Haskell, Texas purchased six Hereford bulls, 15 cows and 13 heifers from Buford Cox, Haskell.

F. D. Jones, Dallas, Texas sold eight bulls to A. R. Bivins, Amarillo, Texas.

Ten Hereford bulls have been reported sold by James R. Higgins, Hereford, Texas to O. J. Pharoah, Pharoah, Okla.

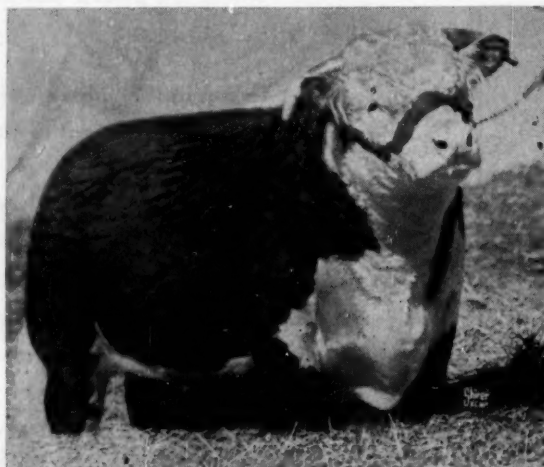
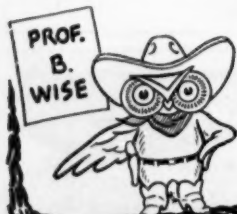
Travis M. Dameron, Amarillo, Texas sold 10 Hereford bulls to Denton's L7 Ranch, Kenna, N. Mex.

J. R. Straus, San Antonio, Texas sold six Hereford cows to A. A. Hereford Ranch, Wichita Falls, Texas.

One Hereford bull, a cow and three heifers have been sold to Thomas H.

TR ZATO HEIR 344th

We selected this bull at the recent record-making Turner Ranch Sale as we felt he had those qualities necessary for us to produce better Herefords. He joins our cow herd strong in Colorado Domino-Mischief Mixer breeding . . . making a cross of pre-potent bloodlines we have extreme confidence in.



SEE OUR OFFERING AT ODESSA—ALSO SEE OUR SHOW HERD AT THIS SAND HILLS HEREFORD SHOW.

SELLING AT ODESSA, TEXAS MARCH 12

- 3 Bulls — Two are Mill Iron calves and carry those same qualities that made them popular in the recent Denver show. One son of U Royal Mixer 5th, a senior calf.



O. C. SYKES & SONS

—~ O. C., BILL and BOB ~—

BOX 541 FORT SUMNER, N. M. 10 MILES SOUTH ON HWY. 20

King, Durant, Okla. by J. T. Colwick, Durant, Okla.

Billy Mason, Apache, Okla. sold a Hereford bull and six cows to Ted Lynch, Elgin, Okla.

Sixteen Hereford heifers have been sold by Harold L. Gardner, Quinlan, Okla. to W. P. Drake also of Quinlan.

Clyde Casto, Marland, Okla. recently purchased 10 Hereford heifers from Fred Doepel & Son, Ponca City, Okla.

Ten Hereford heifers have been sold by W. N. Tucker & Son, Okmulgee, Okla. to Stewart Martin also of Okmulgee.

C. D. Prater, Okla. made the sale of a Hereford bull and nine cows to Francis L. Miller of Pawhuska.

Seven Hereford cows have been sold by A. C. Gideon, Perry, Okla. to Cloyce Dormire, Red Rock, Okla.

M. R. McSpadden, Chelsea, Okla. recently purchased five Hereford heifers from Cliff & Stanley, Claremore, Okla.

National Western Hereford Sale

SUMMARY

142 Bulls	\$217,855; Avg.	\$1,540
52 Females	29,455; Avg.	566
194 Head	247,310; Avg.	1,275

CATTLE producers from more than twenty states invested in 142 Hereford bulls offered for sale in the auction ring at the National Western Stock Show on Tuesday, Jan. 18. The consignments by breeders from over the nation averaged \$1,540 on bulls. The 52 females offered averaged \$566. The 194 head led through the ring during the sale averaged \$1,275.

While the exceptionally high prices that marked other bull auctions at the National Western were missing, the general prices created considerable optimism in the cattle industry. Top selling bull at the sale was Zato Tone Heir F consigned by J. F. Ferrell & Son of Elgin, Okla., and purchased by Pala Rey Ranch of Pala, Calif., and Sessions Hereford Ranch of Descanso, Calif., for \$16,200.

The second highest priced bull of the sale was HR Publican Image 5, sold for \$10,250 by the Herschede Ranch of Hereford, Ariz., to Harry Steffenson of Chadron, Nebr. The third top was BK Royal Super D 4, consigned by Boyd Korb of Burr Oak, Kans., and purchased by the Jack Turner Ranches of Hyattville, Wyo., for \$9,200.

Wallop Hereford Ranch of Big Horn, Wyo., purchased Golden B Tone from C. L. Walters & Son, Sidney, Nebr., and George Cummings & Son of Amherst, Colo., for \$7,500.

Seven bulls led into the ring brought over \$5,000, while 17 others topped the \$3,000 mark.

The top animal in the female sale was BK Lady Lil 64 sold by Boyd Korb of Burr Oak, Kans., to Minish Bros., Dyars, Iowa for \$3,500. Second and third highest prices of the female sale were paid by former governor of Colorado, Dan Thornton. He paid \$1,150 for Miss Lorena Anxiety 447 sold by J. A. Schoen & Sons of Lenora, Kans., and \$1,035 for Lamplighter Lass 2 consigned by Buffington Hereford Ranch of Gunnison, Colo.

Our Denver consignment went to . . .

Arizona, Virginia, North Dakota and Texas

TEXAS ZATO HEIR 50th



Sold for \$6600 at Denver, making the second year we have had the top selling Texas-consigned bull at the National Western Sale.

Thanks to these Denver buyers:

- Long Meadow Ranch, Prescott, Arizona, buyer of Texas Zato Heir 50th
- Dr. A. W. Graves, Estes Springs, Virginia
- Combs and Worley, Pampa, Texas
- E Seven Ranch, Foxholm, N. D.

Thanks to these Pampa buyers:

- Cliff and Edna Vincent, LeFors, Texas
- Richard Walden, Hardesty, Oklahoma
- Doyle Smith, Miami, Texas
- W. H. Tippet, Tell, Texas

CONSIGNING TO THE PANHANDLE HEREFORD SALE MARCH 2, AMARILLO, TEXAS

Three bulls, all by Dandy Domino 48th — one is a senior yearling and two are senior bull calves — top quality Herefords that merit your serious consideration.

FOR SALE AT THE RANCH

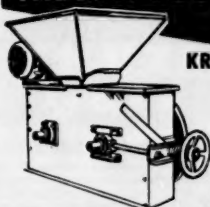
- ★ Herd bull prospects by Zato Heir W 44th—half brothers to the \$6600 bull pictured.
- ★ Top range bulls and open heifers.

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RID YOUR CATTLE OF STOCK-PESTS!

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Do it **AUTOMATICALLY!**

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J BAR HEREFORD RANCH

CROSS CUT, TEXAS

Our sincere thanks to recent purchasers of:

- WHR PORTRAYAL 25th . . . to L. E. Newton, Cross Cut, Texas
- WHR PORTRAYAL 22nd . . . BTR MODEL LARRY 4th . . . to Lawrence Byrd, Cross Cut, Texas
- WHR M HELMSMAN 27th . . . to Jack Eddington, Grosvenor, Texas
- BTR MODEL LARRY 1st . . . to Odie Knight, Cross Plains, Texas

Consigning to the San Antonio Sale Feb. 22

In partnership with Charles W. Sikes and C. T. McClatchy of Bangs, Texas:

- ★ WHR PORTRAYAL 24th by WHR Star Picture 6th
- ★ WHR ENDUEMENT 55th by WHR Mixmore 3rd

ROSS J. & LOUISE NEWTON

CONSIGNING TO THE

Mid-North Texas Hereford Sale

Midlothian, Texas ★ March 5

FIVE BULLS—Baco Duke 10th Breeding

3 serviceable age

2 junior calves

ONE FEMALE by MW Larry Mixer 1st, junior calf

Visitors always welcome at the ranch 2½ miles south of Arlington

MATHES

Charles R. Mathes, Owner
Harold Reynolds, Manager
Telephone AR 4655-2



K Stock Farm

Located 2½ Miles South of Arlington, Texas

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- No screw worms

REGISTERED SHORTHORNS

A Small Herd of Good Ones

At the head of our herd of select females is Grandview Upright 2nd, a top grandson of Pettodrie Upright.

Visitors Welcome

CARLEY B. BARKER and BENTON

MOSHEIM, TEXAS

Mid-South Polled Hereford Sale

SUMMARY

16 Bulls	\$17,165	Avg.	\$1,073
42 Females	24,528	Avg.	584
58 Head	41,693	Avg.	718

THE Mid-South Polled Hereford sale held in Memphis, Tenn. Jan. 12 averaged \$718 on 58 lots of cattle offered. It was the ninth annual sale sponsored by the Mid-South Polled Hereford Association.

Top animal and bull of the sale was Gatesford Gay Rollo, a Sept., 1952 son of Gay Hills Victor consigned by Gatesford Place, Arlington, Tenn. He sold for \$4,025 to Crutcher Polled Hereford Farm, Nesbitt, Tenn. S Rollo Domino 36th, a Jan., 1953 son of DM Rollo Domino 1st consigned by DT Polled Herefords, Collierville, Tenn., sold to Billy's Cruk Farm, Water Valley, Miss., for \$3,200. J. B. Bailey of Williamsburg, Ky., paid \$1,625 for DCF Anx. Supreme 15th, consigned by Ganier Brothers, Percy, Miss.

Top selling female of the sale was JR Supermaid 42d, a May, 1953 daughter of Super A also consigned by Gatesford Place sold for \$2,500 to Big Spring Farm, Harpersville, Ala. Another Gatesford consignment, Gatesford Trumaid, a Nov., 1952 daughter of Mastermode sold for \$2,200. Buyer was Big Spring Farm.

Jewett Fulkerson and Ham Hamilton were the auctioneers.

From the Son of An Old Timer

I HEREWITH beg to hand you my check for \$5.00 being for three years subscription to The Cattleman. I certainly enjoy reading your magazine as it is tops. My father, J. J. Stewart, or, nickname, Empty Sleeve Stewart, was brand inspector for The North Texas Cattle Growers Association and was stationed at Fort Sill, Okla., from 1891 to 1896, then he came to the Indian Territory and worked for G. H. Connell of Fort Worth, Texas, who had a ranch northwest of Hobart, Okla., and branded 4 on left shoulder and 4 on left hip. He worked for the Waggoners from 1879 to 1889 in Wilbarger county.

I now have his old brand books which were kept in his own hand writing back in 1893. I enjoy very much the old cowboy stories, and especially enjoyed the H. H. Halsell story which was in your magazine a few issues ago.

I know this is a true story since I have heard my father relate the same experience, and he was a good friend of Mr. Halsell.

My father passed away here at Sentinel, Okla., at the age of 75 and was a typical old-time cowboy.

I have the minutes of 1893 meeting of Cattle Growers Association held in Fort Worth.—W. G. Stewart, Sentinel, Okla.

The Cattleman has the greatest circulation among ranchmen of any publication of its kind. If you are doing business with ranchmen advertise in The Cattleman. Write for advertising rates.

Quarter Horse and Palomino Shows at National Western

THE Quarter Horse show at the National Western Livestock Show was one of the best ever held with top quality animals from a wide area entered. Ray Lewis, Albuquerque, N. M. judged the show.

J. B. King, first prize winner in the class for stallions foaled in 1951 or before, owned by Jay Parsons, Cody, Wyo., was named grand champion stallion, reserve honors going to Bill Cody, owned by Glen L. Casey, Amarillo, Texas. He stood second in class to the champion.

Skipperette, owned by Hank Wiescamp, Alamosa, Colo., was grand champion mare and Pretty Pam, owned by R. Q. Sutherland, Kansas City, Mo., was reserve champion.

LH Quarter Moon, owned by B. F. Phillips, Frisco, Texas, was champion gelding.

The Palomino show was judged by Charlie B. Team, Fort Worth, who selected Gold Zipper, owned by Frank Loomiller, Longmont, Colo., as the champion stock horse stallion. Scooter Lad, owned by Hank Wiescamp, was reserve champion.

Betty Ann Cavanaugh, Bennett, Colo., showed the champion stock horse mare, Colorado Zephyr, as well as the reserve champion, Heel's Golden Paula.

Belvedere's Golden Glory, owned by Lyle H. Cobb, Beaverton, Ore., was champion pleasure type stallion and Golden Hy Boy, owned by Allen Peverill, Waterloo, Ia., was reserve champion.

Bar None Stables, Omaha, Neb., showed the champion pleasure type mare, Miss Nicky Mack, and Cobb's Gold Sissie, owned by Lyle H. Cobb, was reserve champion.

Sixty animals offered in the Quarter Horse sale held in conjunction with the show brought an average of \$605, with a top of \$3500 paid by John Mercum, Weston, Colo., for a colt consigned by Leonard Milligan, Granada, Colo.

Twenty-one Palominos sold for an average of \$304 with a top of \$710 paid by Ennman & Hardway Rodeo Company for a gelding consigned by Elmo Persyn, Wiley, Colo.

Idaho Cowboy Heads I. R. A.

THE International Rodeo Association held its annual meeting in Denver during the National Western Stock Show and elected Fran Blomquist of Caldwell, Idaho, president. He succeeds Ray Peterson of Reno, Nev. R. P. Leslie, Pendleton, Ore., was elected vice president; Joe Keller, Belle Fourche, S. D., treasurer; and Eddie G. Cole, Caldwell, secretary. Willits Brewster, Cheyenne, Wyo., was elected a member of the board succeeding Earl Garrity, Nampa, Idaho.

The Cattleman has the greatest circulation among ranchmen of any publication of its kind. If you are doing business with ranchmen advertise in The Cattleman. Write for advertising rates.

What do you think of this bull?



Our new herd sire that was purchased from George Mousel on account of both conformation and pedigree which speaks for itself. This young bull is now being used with some of our good cows.



FOR SALE

About 20 good bulls, ranging from 12 to 16 months of age and about 15 yearling past heifers with size, bone and quality, range raised and range conditioned.

IMPERIAL LAMP. 3D 5955558 George Mousel

Imperial Lamplighter 43rd

DULCIE MISCHIEF 30TH 3985935 George Mousel

Lord Lamplighter
4216261
George Mousel

Blanche Misch.
79th 3478890
Mousel Bros.

The Beau Misch.
3043669
Mousel Bros.

Dulcie Mischief
28th 3036293
George Mousel

Imperial Lamplighter 2730301
George Mousel

Blanche Mischief 73d 3036300
Paul Mousel

Imperial Lamplighter 2730301
Geo. Mousel

Blanche Mischief 29th 2049670
W. D. Corley Jr.

Prince Advance 2483458
B. A. Elliott

Blanche Mischief 46th 2466930
Mousel Bros.

Advance Mixture 2273207
Mousel Bros.

Dulcie Mischief 24th 2565887
Mousel Bros.

The Lamplighter 2020166
Dulcie Mischief 16th 2048153

Advance Mixture 2273207
Blanche Mischief 30th 2087435

The Lamplighter 2020166
Dulcie Mischief 16th 2048153

Advance Mischief 1323063
Blanche Mischief 2d 665549

Adv. Mischief 55th 2240919
Donna Agnes 8th 1410526

Anxiety 23d 1199478
Blanche Mischief 27th 2048157

Advance Mischief 1323063
Dulcie Mischief 16th 2048153

The Lamplighter 2020166
Dulcie Mischief 14th 2226756

Adv. Pres. 1815576
B. Misch. 21st 1742831

Mousel Dom. 1695527
D. Misch. 9th 1695535

Adv. Misch. 1323063
D. Misch. 16th 2048153

Adv. Misch. 1323063
B. Misch. 5th 1143468

Adv. Pres. 1815576
B. Misch. 21st 1742831

Mousel Dom. 1695527
D. Misch. 9th 1695535

Pr. Dom. M. 1003879
B. Misch. 6th 1085894

Beau Misch. 268371
Blanche 99th 489273

Adv. Misch. 7th 1461545
D. Misch. 3d 969154

Pr. Dom. 499611
Donna Agnes 7th 814434

Anx. Misch. 722104
Lena 620969

Adv. Pr. Dom. 1795509
B. Misch. 22d 1795518

Pr. Dom. M. 1003879
B. Misch. 6th 1085894

Mousel Dom. 1695527
D. Misch. 9th 1695535

Adv. Pres. 1815576
B. Misch. 21st 1742831

Adv. Dom. 1381854
D. Misch. 9th 1695535

This herd bull prospect has all the ear marks necessary to be a top breeding bull. A stylish head, worlds of bone and compact body, but enough size to easily make a ton bull, as we find all the sons of Imperial Lamplighter 3rd are capable of doing. This bull's mother is a real top Dulcie Mischief cow—the kind of a cow you can depend on to produce herd bulls.

CRISWELL RANCHES

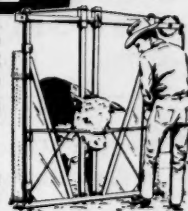
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Enables you to quickly restrain and safely hold animals for inspection, treatment, dehorning, vaccination, ear marking, etc. Makes cattle handling easier, safer, faster. Every stock farm needs and should have this low-cost stock-holding gate.

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February 22

ONE BULL — ONE HEIFER

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- ★ RT Miss Real Domino . . . a real good heifer you will like.

RT HEREFORD RANCH

RALPH L. TSCHIRHART
CASTROVILLE, TEXAS

SELLING IN THE
East Texas Hereford Association Sale
Tyler, March 9
6 Bulls — 2 Heifers

- ★ One son of TR Zato Heir 27th. This son of the great McNatt bull was in our show string.
- ★ One grandson of MW Larry Domino 107th, the great \$160,000 Bridwell bull, who was also in our show herd.

We had the top selling animal in the East Texas Hereford Association sale last year.

VAN WINKLE RANCH, Buffalo, Texas

A. P. Van Winkle, Owner

W. J. Magouirk, Herdsman

Fred Magouirk, Manager

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FOR SALE NOW—Choice registered Hereford cows, bred heifers, open heifers and heifer calves. All of good CLEAN pedigrees.
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TO BE A MEMBER

410 East Weatherford, Fort Worth

Chicago Saddle and Sirloin Club
Honors Prof. F. M. Simpson

PROFESSOR F. M. SIMPSON, agricultural economist at Clemson Agricultural College, has been honored by the Saddle and Sirloin Club of Chicago. His portrait will be hung in the club gallery along with oil portraits of other outstanding men of the livestock and meat industry.

This honor was given Professor Simpson for the part he played as director of the Agricultural Research Department of Swift & Company and the work he has done to bring about a better understanding between livestock producers and those who serve them in the marketing of their livestock and meats. During the time Professor Simpson worked in the industry, he developed a new type of newspaper and farm journal advertising, which has since been widely copied by other concerns. He has devoted more than 45 years to the marketing of livestock and meats.

Before joining Swift & Company as organizer and director of their Agricultural Research Department, Professor Simpson spent some time with the USDA in what was then known as the Bureau of Markets. He has also served as a rancher in the western ranch country, served as head of the Livestock Department of the Illinois Agricultural Association, and was organizer and general manager of the National Livestock Producers Association, a cooperative livestock marketing agency. He retired from Swift & Company in April, 1952, and came to Clemson as a member of the staff of the Department of Agricultural Economics.

The ceremony of hanging the portrait will take place in the Saddle and Sirloin Gallery in Chicago during the 1955 International Livestock Exposition. His portrait will be painted by Joseph Allworthy, a famous portrait painter of Chicago.

Buck Rutherford Named All-Around Cowboy For 1954

BUCK RUTHERFORD, Lenepah, Okla., was named all-around cowboy of 1954 in a special ceremony at the National Western Stock Show in Denver. Rutherford achieved the distinction of winning \$40,404 in prize money during the year. In addition, Rutherford shared in \$7600 cash and \$4000 worth of saddles, buckles and other trophies awarded top ranking rodeo performers.

Jim Shoulders, Henryetta, Okla., was runner-up, earning \$28,700 during the year. Other top performers and their winnings follow: Casey Tibbs, Fort Pierce, S. D., \$23,052; Don McLaughlin, Smithfield, Texas, \$23,048; Eddie Akridge, Beaver, Okla., \$14,983; Jim Bynum, Waxahachie, Texas, \$12,578; and Eddie Schell, Coolidge, Ariz., \$6,547.

The Cattleman is the most widely read publication of its kind in the country.



These three-year-old Hereford steers were the first cattle to cross at Laredo, Texas, after the border was opened Jan. 1. The steers came from the Raymond Bell Ranch in Durango state. They sold to H. H. Thompson of San Antonio, Jack Horton of Durango and Bob C. Cooper of Omaha, Neb. Cooper will finish them in a northern feed lot.

Mexican Cattle Imports

The Following Information Was Obtained By a Member of The Cattleman Staff Who Visited Mexico and Photographed the First Cattle to Cross at Laredo.

IMPORTATIONS of Mexican cattle reached a total of 73,000 head during the first three weeks following the opening of the border on January 1. A survey conducted by The Cattleman produced the following figures indicating the number of cattle crossed at each port as of January 22:

Eagle Pass, Texas.....	3,349
Laredo, Texas	1,262
Del Rio, Texas.....	7,879
Presidio, Texas.....	10,862
El Paso, Texas.....	29,773
Columbus, N. M.....	901
Antelope Wells, N. M.....	775
Douglas, Ariz.	6,734
Nogales, Ariz.	5,867
Sasabe, Ariz.	952
Naco, Ariz.	4,841
Total.....	73,195

According to information received from veterinarians in charge, Agricultural Research Service, USDA, most of the cattle being imported into the United States have been steers of good quality and a few bulls going directly to slaughter.

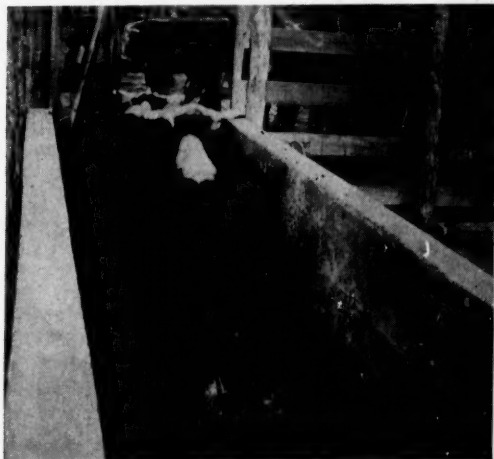
More cattle have crossed at El Paso than anywhere else along the border. According to USDA officials cattle crossing at El Paso, Presidio, Columbus and Antelope Wells totaled 42,311 and were all steers except five bulls. Of the steers 25 per cent were of the Coriente (native Mexican) type but in good condition; about eight per cent good quality Aberdeen-Angus and the remainder Herefords. The Hereford steers, representing about 65 per cent of the total, were described as being about 25 per cent of excellent quality and the remainder of fairly good

quality. The steers ranged in age from calves to three and four-year-olds.

The first cattle to cross at Laredo were 3-year-old steers of excellent quality that were to go to a northern feedlot.

Officials in Arizona reported that most of the cattle crossing in that state were good quality Hereford steers, along with a few good Aberdeen-Angus and some crossbreds. Most of these cattle were going to grass and feed lots in Arizona and California. California ports were expected to open during late January.

In late December the Mexican Ministry of Agriculture announced that it will permit live cattle and beef exports equivalent to 346,000 head from Mexico during 1955, the annual quota to be divided into two half-year quotas of equal size. Under this plan detailed quotas for the



Dr. G. W. Fischer, veterinary livestock inspector for the Agricultural Research Service, inspects cattle (right) at the Corral Nuevo Laredo in Nuevo Laredo, Mexico, before they are imported into the United States. Picture at left shows cattle going through a dipping vat in Mexico. Cattle are checked for all communicable diseases by U. S. inspectors before importation.

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*Bulls and Females From Our Headliner
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BEAU PERFECTIONS - DANDY MODES

C. W. PRINCE DOMINO 21st

H.H.R. MISCHIEF DUKES

TEXAS POLLED HEREFORD SALE *in* SAN ANTONIO FEB. 23rd

1. A Double Grandson of Golden Nugget
The Sire of Goldmine
2. A Great Polled Hereford Heifer of
C. W. Prince Domino Breeding
3. A Grandson of Trumode the 8th
4. A Daughter of Choice Domino 1st

THESE CATTLE ARE HEAVY BONED—BIG SIZED
CATTLE, THE KIND YOU WILL LIKE



KALLISON'S RANCH

ROLLIE NEAL, Mgr. PERRY KALLISON, Owner JACK MYERS, Herdsman
SAN ANTONIO, TEXAS

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Polled Herefords

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- Duke Mischief • Choice Domino

*Our cattle have gone to most states in the Union,
Hawaii, and South America.*

Rollie Neal, Mgr. Perry Kallison, Owner Jack Myers, Herdsman
Ranch Established 1910, San Antonio, Texas



Seventy-Eighth Annual Convention

TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSOCIATION
Dallas, Texas, March 22-23, 1955

Choose from the produce of 300 choice Polled
Hereford cows—championship bloodlines—grand
champion winning herd sires.

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Jackboro, Texas

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Phone 2491

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Herefords in South Texas

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Polled Herefords

SANDERSON — TEXAS
Visitors Welcome

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Good Quality Range Bulls

M. E. Fry & Sons - Cisco, Texas

WINKEL'S POLLED HEREFORD RANCH

Herd Sires

HHR Domestic Mischief 297th, by Domestic Mischief 6th; WPHR Domestic Woodrow, by Essar Domestic Woodrow; Domestic Anxiety 208th, by Domestic Anxiety 42nd; JFG Domestic Mischief 135th, by Domestic Mischief 97th.

J. W. Winkel — R. F. Winkel
LLANO, TEXAS

Top quality Polled Herefords. We have some
real nice young bulls now.

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Registered Polled Herefords

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FOREST FIRES!**

year by states are as follows: Chihuahua, 100,000; Sonora, 132,000; Coahuila, 40,000; Durango, 29,000; Tamaulipas, 10,000; Zacatecas, 10,000; Nuevo Leon, 10,000 and Northern Veracruz, 14,000.

Cattle crossing over into the United States are carefully checked by both Mexican and United States veterinarians. This inspection includes a careful check by veterinary inspector of the animal disease eradication branch of the Agricultural Research Service, USDA, who inspect the animals for all communicable diseases.

One thing that might keep down large importations of Mexican cattle is the fact that it is expensive for a buyer in this country to import them. One buyer who imported cattle weighing over 700 pounds per head said it cost \$1.00 a hundred on the Mexican side and \$1.50 a hundred on the U. S. side, plus miscellaneous charges of about \$1.00 a hundred. This, along with transportation charges to pasture or to the feedlot plus paying a good price to the owners for the cattle has discouraged some buyers. In some cases considerable delay in getting cattle across has been experienced.

Most cattlemen think that cattle imported will be of good quality because the Mexicans pay about as much for the plain kind as do American buyers.

Many American cattlemen think that Mexican beef imports will not seriously affect the market for cattle in this country, as long as quotas are maintained at present levels. Some others, on the other hand, have expressed fear that imports of beef will have some effect in lowering beef cattle prices since the American market has a surplus of beef at the present time.

Hull-Dobbs Polled Hereford Sale

SUMMARY

16 Bulls	\$12,700; Avg.	\$796
41 Females	27,165; Avg.	663
57 Head	39,865; Avg.	699

THE first production sale of the Hull-Dobbs Ranch was held at Walls, Miss. on Jan. 13 with the offering of 57 Polled Herefords going for an average price of \$699.

Top selling bull of the sale was HDR Baca Duke 13th, a May, 1953 son of RHR Baca Prince that sold to 7 Hills Farm, Excelsor Springs, Mo. on a bid of \$2,500. Hunter Simpson of Fredericksburg, Va. paid \$1,800 for HDR Choice Domino 33d, a Sept., 1953 son of RHR Baca Prince. RHR G Vic Domino 21st, a Jan., 1953 son of Gatesford Vic Dom 26 sold to O'Bryan Ranch, Hiattville, Kansas for \$1,175.

Top selling female of the sale was RHR G Victorette 19th, a Jan., 1953 daughter of Gatesford Vic Dom 26, that sold for \$2,000 to the D. T. Polled Hereford Ranch, Colliersville, Tenn. HDR Victorette 52d, another daughter of Gatesford Vic. Dom 26 sold for \$1,600 to G. J. Ranch, Dundee, Miss. W. D. Cannon of Brownsville, Tenn. paid \$1,300 for DCF Larryanne H 5, a Jan., 1953 daughter of Pierre Supreme 39.

Jewett Fulkerson and Ham Hamilton were the auctioneers.

SELLING EVERYTHING AT AUCTION

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FEB. 16-17

At The

E. E. HESTER

RIVERSIDE RANCH

Benkelman, Nebraska

(Now owned by Adah Hester Young)

★ Ranch—Extremely well improved modern stock ranch, ideal for registered or top commercial operator. Barn and lots well equipped to fit and sell registered cattle. 4 houses, one completely modern. 1837 acres, 700 acres in farm land of which 200 acres are now being set up for irrigation. In addition with this place is 320 acres of school land on a long term lease at 50c per acre that goes with the farm. There are 300 acres of growing wheat and about 140 acres of alfalfa. The rest is miscellaneous farming and grazing. The North Republican River runs the full length of the ranch which is located on U.S. Hwy. 34 halfway between Haigler and Benkelman, Nebraska. One mile from grade and high schools with school bus at door. Taxes were \$1029 last year and not more than 29 per cent of the purchase price can be paid the day of purchase. Balance can be carried over long term.

★ Cattle—SELLING 163 HEAD REGISTERED HEREFORDS . . .

Selling 110 head bred by E. E. Hester estate including 42 daughters of VAGABOND DUNDY, Reg. No. 4707000; 43 females carry the service of BARON DOMINO 116, Reg. No. 5540223.

Also selling herd bull LARRY DOMINO M 52nd and 8 coming 2-year-old bulls. The rest of the offering consists of young cattle sired by the above sires. This is a chance to buy some of the good solid bloodlines of the Hereford Breed.

★ Equipment—4 tractors and general farm equipment such as dises, harrows, mowers, field chopper and grinder, grain elevator. 2 trucks—1951 Ford 2-ton with heavy duty hoist and 1950 Ford ¾-ton with flat bed, and a large supply of general cattle equipment and miscellaneous farm tools.

● The sale will be held in heated pavilion at the ranch on
U.S. Hwy. 34, 10 miles west of Benkelman, Nebr., starting
at 10 A.M. CST or 9 A.M. MST.

Auctioneers: Corkle, Anderson and Schnell

FOR SALE CATALOGS or OTHER DETAILS, write Sale Manager John Spencer,
RECORD STOCKMAN, INC., 1820 Curtis St., Denver, Colorado
or Adah Hester Young, Benkelman, Nebraska.

SELLING AT

San Antonio Polled Hereford Sale, February 23, 1955

3 open heifers and two bulls out of my herd bull Bonny B. Mischief 42nd, No. 473196, 6616858 (Reserve Champion of 1953 San Antonio Show). Also one bull calved May 21, 1953 bred same as Champion Sale bull of 1954 at San Antonio and as the two top selling heifers of 1954.

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BR Proud Mixer
- 1 Son of
Bilt Rite Tone 10th.

All senior calves and are
 good prospects.

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E-Z CALF PULLER

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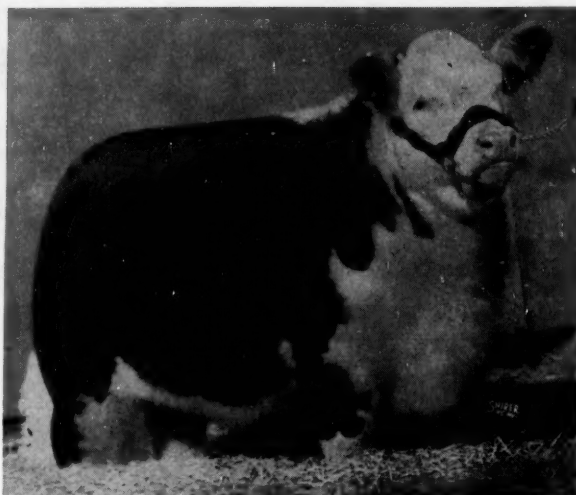
Name _____

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State _____

The grand champion steer of the National Western Stock Show was a Hereford fed by Cameron State Agricultural College, Lawton, Okla. The steer weighed 1035 pounds and sold for \$3 per pound to Miller's Cafeteria, Denver.



National Western Stock Show

Grand Champion Steer From Oklahoma Sells for \$3 per Pound—Carlot Fat Cattle at \$41 Cwt.—Carlot Feeder Calves \$55 Cwt.

A TOP price of \$3 per pound for the grand champion steer was just one of the many highlights of the National Western Stock Show held at Denver last month. The steer, a Hereford, fed by Cameron State College, Lawton, Okla., weighed 1035 pounds and was bought by Miller's Cafeteria, Denver. Last year's grand champion sold for \$3.50 per pound, a new record for the National Western.

The reserve grand champion, an Aberdeen-Angus fed by Jennings Bros., Highmore, S. D., sold for 90 cents per pound to the Tiffin Dining Room, Denver.

Another highlight was the sale of the carlot fat cattle in which the reserve champions out-sold the champions. Karl and Jack Hoffman, Ida Grove, Iowa, fed the champions, which were Herefords. They sold for \$40.50 per cwt. to Safeway Stores. The reserve champions, fed by Father Flanagan's Boys Home, Boys Town, Nebr., sold for \$41 per cwt. to Fulton-Foxley & Co., for the Central Packing Co., Kansas City, Mo.

The grand champion carload of feeder calves also sold well up in the money. They were Shorthorns raised by Josef Winkler & Son, Castle Rock, Colo. It was the sixth grand championship for Winkler Shorthorns at the Denver show. They were bought by Henry Steele & Co., Montgomery, Ill., for \$55 per cwt.

The reserve champion feeder calves were Herefords, raised by DeBerard Cattle Co., Kremmling, Colo.

Texans were among the top winners in numerous classes, J. S. Bridwell, Wichita Falls, scoring heavily in the carlot bull show; when his load of Larry Domino senior calves were named cham-

pions. CK Ranch, Brookville, Kans., showed the reserve champions.

Two Texas Hereford bulls sold at \$20,000 each at private treaty during the show. O. H. McAlister, owner of Bar M Ranch, Rhome, sold Empire Mixer 17th to A. H. Karpe, Bakersville, Calif., and Mill Iron Ranch, Childress, sold Mill Iron W 481st to Suncrest Hereford Ranch, Phoenix and Springerville, Ariz., and Lucky Hereford Ranch, Gilroy, Calif.

The Hereford Show

Cattle from 18 states were entered in the Hereford show at the National Western, presenting a great array of white-face luminaries for Herb Chandler, Baker, Ore., and Rufus Cox, Manhattan, Kans., to judge. A number of champions at shows held previously were entered in



Grand champion steer, junior division, National Western Stock Show, fed by 17-year-old Barbara Austin of Julesburg, Colo.

the competition, but there were also some newcomers that shared top winnings.

The champion bull came from the herd of Milky Way Hereford Ranch, Phoenix, Ariz. He was MW Larry Mixer 100th, first prize junior bull calf. The reserve champion was GH Prince 63rd, a two-year-old shown by Greenhill Farm, Tulsa, Okla.

Woody Hereford Ranch, Barnard, Kans., showed the champion female, WD Domino Heiress D 8th, a senior heifer, and Herschede Hereford Ranch, Hereford, Ariz., showed the reserve champion, M Zato Heiress 30th.

Circle A Hereford Farm, Morris, Ill., showed the first prize get of sire, the get of MW Larry Domino 133rd.

Milky Way showed the top junior get of sire, the get of MW Super Larry 4th.

Other first prize winners were: Turner Ranch, Sulphur, Okla.; Pollock Hereford Ranch, Mountainburg, Mo.; O. H. McAlister, Rhome, Texas; Edg-Clif Farm,



MW Larry Mixer 100th, champion Hereford bull, National Western Stock Show, owned by Milky Way Hereford Ranch, Phoenix, Ariz.

Potosi, Mo.; and W. J. Largent & Son, Merkel, Texas.

Awards to three places follow:
Two-Year-Old Bulls (12 shown): 1, Greenhill Farm, Tulsa, Okla., on GH Prince 63d; 2, Edg-

Clif Farms, Potosi, Mo., on Edg-Clif Resolute; 3, Doug Davis Herefords, Loveland, Colo., on Perfect Zato Mixer.

Senior Yearling Bulls (14 shown): 1, Turner Ranch, Sulphur, Okla., on TR Royal Zato 27th; 2, Jones Hereford Ranch, Rhome, Texas; 3, Circle A Hereford Farm, Morris, Ill., on CA Larry Domino 88th.

Junior Yearling Bulls (25 shown): 1, Pollock Hereford Ranch, Mountainburg, Mo., on PHR Larry Domino 4th; 2, Greenhill Farm on GF Prince 76th; 3, Wood Hereford Ranch, Barnard, Kans., on WR Return's Image.

Summer Yearling Bulls (25 shown): 1, Herschede Hereford Ranch, Hereford, Ariz., on HR Publican Image 5th; 2, Milky Way Hereford Ranch, Phoenix, Ariz., on MW Prince Larry 125th; 3, Greenhill Farm on Greenhill Larry 117th.

Senior Bull Calves (27 shown): 1, O. H. McAlister, Rhome, Texas, on M Zato Heir 52d; 2, Orvil Kuhlmann, North Platte, Neb., on Gold Copilot; 3, Boyd Korb, Bun Oak, Kana., on BK Royal Super D 4th.

Junior Bull Calves (45 shown): 1, Milky Way Hereford Ranch on MW Larry Mixer 100th; 2, Floyd Coons, Callao, Mo., on FC Resolute 1st; 3, Straus Medina Hereford Ranch, San Antonio, Texas, on 88th Zato Heir 4th.

Summer Bull Calves (46 shown): 1, Milky Way Hereford Ranch, on MW Superior Larry 13th; 2, W. J. Largent & Son, Merkel, Texas, on Publican



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Northeast Texas Pasture Fitted Select Sale

March 11, 1:00 P.M.

Sulphur Springs, Texas

**Blackland
Pasture Fitted Sale**
March 12, 1:00 P. M.
Temple, Texas

**5 Young Herd Bulls
50 Females**

**East Texas
Pasture Fitted Sale**
March 25, 1:00 P. M.
Palestine, Texas

Blacks Breed
Better Beef

Consigned to each sale

More for Less
With Blacks

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Portable FIRE PUMPS
Are "One-Man Fire
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WR Domino Heiress D 8th, champion Hereford female, National Western Stock Show, owned by Woody Hereford Ranch, Barnard, Kans.

Domino 304th; 3, CK Ranch, Brookville, Kans., on CK Zato 110th.

Champion Bull: Milky Way Hereford Ranch, on MW Larry Mixer 100th.

Reserve Champion Bull: Greenhill Farm, on GH Prince 63d.

Group of Three Bulls (18 shown): 1, Milky Way Hereford Ranch; 2, Greenhill Farm; 3, Herschede Ranch.

Group of Two Bulls (17 shown): 1, Milky Way Hereford Ranch; 2, Greenhill Farm; 3, Herschede Ranch.

Two-Year-Old Heifers (7 shown): 1, Edg-Cliff Farms on ECF Baca Lady Elation; 2, Walton W. Thorp, Britton, S. D., on SA Laryette 19th; 3, Mission Hills Farms, Joplin, Mo., on MHF True Heiress 30th.

Senior Yearling Heifers (13 shown): 1, Herschede Ranch on M Zato Heiress 30th; 2, Greenhill Farm on GF Lady Larry 98th; 3, Par-Ker Ranch, Chelsea, Okla., on PKR Miss Larry D 491st.

Junior Yearling Heifers (20 shown): 1, Woody Hereford Ranch on Princess Larry C-14th; 2, 3, Circle A Hereford Farm on CA Laryette 140th and CA Laryette 127th.

Summer Yearling Heifers (23 shown): 1, Woody Hereford Ranch on Princess Larry C-15th; 2, O. H. McAllister on M Miss Zato Heir; 3, Turner Ranch on TR Zato Heiress 356th.

Senior Heifer Calves (22 shown): 1, Woody Hereford Ranch on WR Domino Heiress D 8th; 2, J. S. Bridwell, Wichita Falls, Texas, on Royal Larryann 37th; 3, Turner Ranch on TR Zato Heiress 38th.

Junior Heifer Calves (35 shown): 1, W. J. Largent & Son on Blue Bonnett Domino 241st; 2, Dudley Bros., Comanche, Texas, on DB Lady Pub 28th; 3, O. H. McAllister on M Zato Heiress 85th.

Summer Heifer Calves (24 shown): 1, Milky Way Hereford Ranch on MW Super Larryana 6th; 2, Arledge Ranch, Seymour, Texas, on Miss BR Mixer 111th; 3, Field Land & Cattle Co., Gunnison, Colo., on FLC Duchess Mixer 64th.

Champion Female: Woody Hereford Ranch on WR Domino Heiress D 8th.

Reserve Champion Female: Herschede Ranch on M Zato Heiress 30th.

Pair of Females (21 shown): 1, Woody Hereford Ranch; 2, J. S. Bridwell; 3, Circle A Hereford Farm.

Get of Sire (17 shown): 1, Circle A Hereford Farm on MW Larry Domino 133d; 2, Greenhill Farm on Noe's Baca Prince 4th; 3, Turner Ranch on TR Zato Heir.

Junior Get of Sire (11 shown): 1, Milky Way Hereford Ranch on MW Super Larry 4th; 2, Straus Medina Hereford Ranch on TR Zato Heir 88th; 3, Boyd Korb on NB Royal Duke.

Pair of Yearlings (14 shown): 1, Pollock; 2, Woody; 3, Dudley Bros.

Pair of Calves (25 shown): 1, Milky Way; 2, Largent & Son; 3, Wyoming Hereford Ranch.

The Aberdeen-Angus Show

An array of Aberdeen-Angus cattle from 14 states was paraded before Al E. Darlow, Oklahoma A & M College, Stillwater, presenting one of the best displays of the blacks ever at the National Western.

Two Iowa breeders showed the grand champions. Bandolier 523 of Wilton, shown by Otto G. Nobis, Davenport, Ia., was senior and grand champion bull and Blackbird Progress E & B 9, shown by Enoch and Bob Johnson, Arthur, Ia., was junior and reserve grand champion female. Dale West, Merrill, Ore., showed the junior and reserve grand champion bull, Bardolier DW 2401 and El Jon Farms, Rose Hill, Ia., showed the senior and reserve grand champion female, Miss Blackcap SA 102.

Penney & James, Hamilton, Mo., showed the reserve senior champion bull, Homeplace Eileenmere 419 as well as the reserve junior champion, Homeplace Eileenmere 552. Juara E of ROF, shown by Red Oak Farms, Rocky Comfort, Mo., was reserve senior champion female and Pauline Grenada GR 3, shown by Great Oaks Stock Farm, Rochester, Mich., was reserve junior champion.

The get of Bandolier Wilton 123, owned by Nobis, topped the get of sire class.

Awards to three places follow:

Two-Year-Old Bulls (9 shown): 1, 2, Otto G. Nobis, Davenport, Ia., Bandolier 523d of Wilton and Bandolier 260th of Wilton; 3, Haystack Angus Ranch, Longmont, Colo., on Shadow Isle Prince 31st.

Senior Yearling Bulls (22 shown): 1, Penney & James, Hamilton, Mo., on Homeplace Eileenmere 419th; 2, Aberdeen Acres, La Salle, Colo., on Aberdeen Acres Eileenmere 113th; 3, Red Oak Farms on Black Peer of Red Oak 53rd.

Junior Yearling Bulls (23 shown): 1, Haystack Angus Ranch on Shadow Isle Prince Eric 85th; 2, Dwight Winchester, Belgrade, Mont., on Prince 105th of B & D; 3, Rose & McCrea, Maysville, Mo., on Corrector 213th.

Summer Yearling Bulls (16 shown): 1, Penney & James on Homeplace Eileenmere 552d; 2, Tim & Fern Pierce, Creston, Ill., on Black Knight of WWF 11th; 3, Essar Ranch, San Antonio, Texas, on Prince Envious 8th of Essar.

Senior Bull Calves (17 shown): 1, Dale West, Merrill, Ore., on Bardolier DW 2401st; 2, 3, Mecom Angus Ranch, Weston, Colo., on Black Peer 182d of AV and Mecom Prince Eric 21st.

Junior Bull Calves (15 shown): 1, Tim & Fern Pierce on VR Prince 105th; 2, Enoch & Bob Johnson on Black Conquest 10th; 3, Penney & James on Homeplace Eileenmere 634th.

Summer Junior Bulls (14 shown): 1, Essar Ranch on Royal Essar 52d; 2, Great Oaks Stock Farm, Rochester, Mich., on Great Oaks Eileenmere 1032d; Tim & Fern Pierce on Prince of West Woodlawn.

Senior and Grand Champion Bull: Otto G. Nobis on Bandolier 523rd of Wilton.

Reserve Senior Champion Bull: Penney & James on Homeplace Eileenmere 419th.

Junior and Reserve Grand Champion Bull: Dale West on Bardolier DW 2401st.



Blackbird Progress E & B 9th, junior and grand champion Aberdeen-Angus female, National Western Stock Show, owned by Enoch and Bob Johnson, Arthur, Ia.



Bandolier 533rd of Wilton, senior and grand champion Aberdeen-Angus bull, National Western Stock Show, opened by Otto G. Nobis, Davenport, Ia.

Reserve Junior Champion Bull: Penney & James on Homeplace Eileenmere 552d.

Group of Three Bulls (14 shown): 1, Penney & James; 2, Otto G. Nobis; 3, Tim & Fern Pierce.

Group of Two Bulls (14 shown): 1, Otto G. Nobis; 2, Penney & James; 3, Enoch & Bob Johnson.

Two-Year-Old Heifers (8 shown): 1, Red Oak Farms, Rocky Comfort, Mo., on Juara E of ROF; 2, Triple A Ranch, Jonesburg, Mo., on Miss Bummer 3d of AAA Ranch; 3, Penney & James on Pageileen S 10th.

Senior Yearling Heifers (14 shown): 1, El Jon Farms, Rose Hill, Ia., on Miss Blackcap SA 102d; 2, Rose & McCrea on Proud Bessie R & Mc; 3, Penney & James on Homeplace Blackcap 102d.

Junior Yearling Heifers (24 shown): 1, Great Oaks Stock Farms on Pauline Grenada GR 3rd; 2, Mecom Angus Ranch on Miss Bummer of SAR; 3, Penney & James on Homeplace Portlucy 2d.

Summer Yearling Heifers (22 shown): 1, Frank Duffy, Longmont, Colo., on FD Princess Alice 2d; 2, Mecom Angus Ranch on Pride of OAMC 7th; 3, Tim & Fern Pierce on Brook Pride K 262d.

Senior Heifer Calves (23 shown): 1, Enoch & Bob Johnson, Arthur, Ia., on Blackbird Progress E & B 9th; 2, Essar Ranch on Miss Blackcap 50th of Essar; 3, Penney & James on Homeplace Mch. Barbara 19th.

Junior Heifer Calves (18 shown): 1, Otto G. Nobis on Blackbird of Wilton 70th; 2, Enoch & Bob Johnson on Queen Marie 222d; 3, Red Oak Farms on Gammer of HR 4th.

Summer Junior Heifers (12 shown): 1, Essar Ranch on Erica 26th of Essar; 2, Shady Lane Farms, Clear Creek, S. D., on Princeen of SL; 3, C. H. Thompson, Eagleville, Mo., on Fairview Erica Bardolette 7th.

Junior and Grand Champion Female: Enoch & Bob Johnson on Blackbird Progress E & B 9th.

Reserve Junior Champion Female: Great Oaks Farm on Pauline Grenada GR 3d.

Senior and Reserve Grand Champion Female: El Jon Farms on Miss Blackcap SA 102d.

Senior Reserve Champion Female: Red Oak Farms on Juara E of ROF.

Get of Sire Group (12 shown): 1, Otto G. Nobis on get of Bandolier Wilton 123d; 2, Rose & McCrea on Prince Georgina R & Mc; 3, Penney & James on Homeplace Eileenmere 687th.

Junior Get of Sire (11 shown): 1, Essar Ranch on get of Prince Sunbeam 328th; 2, Enoch & Bob Johnson on Black Conquest; 3, Dale West on Criterion Bardolier 24th.

Pair of Calves (14 shown): 1, Enoch & Bob Johnson; 2, 3, Essar Ranch.

Pair of Females (13 shown): 1, Enoch & Bob Johnson; 2, Essar Ranch; 3, Otto G. Nobis.

Pair of Yearlings: 1, Penney & James; 2, Tim & Fern Pierce; 3, Red Oak Farms.

The Shorthorn Show

Don Good, Manhattan, Kans., judged the Shorthorn show in which Corn Belt breeders had the champions.

Mathers Bros., Mason City, Ill., showed the junior and grand champion bull, Echt Princess; William Bartholomay, Jr., Libertyville, Ill., showed the reserve junior and reserve grand champion, Marellbar Purvis; B. Hollis Hanson, Connersville,

Ind., showed the senior champion, Strowan Souvenir; and Idylweiss Stock Farm, Elizabeth, Colo., showed the reserve senior champion, Braemor President 2.

W. C. Anderson, West Liberty, Ia., had the junior and grand champion female, WL Lovely Victoria 2; Bartholomay showed the reserve junior and reserve grand champion, Marellbar Rosewood; Mathers Bros., showed the senior champion, Leveldale Miss Ramsden, as well as the reserve senior champion, Leveldale Blythesome 4.

W. C. Anderson & Son, Morris, Ill., topped the get of sire class with the get of N Bar Prince.

Awards to three places follow:

Two-Year-Old Bulls (1 shown): B. Hollis Hanson, Connersville, Ind., on Strowan Souvenir.

Senior Yearling Bulls (10 shown): 1, Idylweiss Stock Farm, Elizabeth, Colo., on Braemor President 22d; 2, Mathers Bros., Mason City, Ill., on Leveldale Caesar; 3, Maurice Bergquist, Somers, Ia., on Marshall Prince Bob.

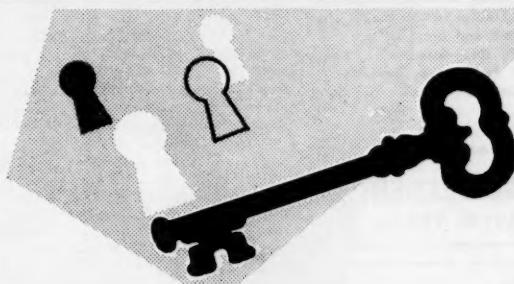
Junior Yearling Bulls (9 shown): 1, Mathers Bros. on Echt Prince Regent; 2, Lynnwood Farm, Carmel, Ind., on Lynnwood Event; 3, B. Hollis Hanson on HHF Sentinel Souvenir.

Summer Yearling Bulls (12 shown): 1, Wm. Bartholomay, Jr., on Marellbar Purvis; 2, W. C. Anderson & Son, West Liberty, Ia., on WL Bank Standard 13th; 3, B. Hollis Hanson on HHF Benjamin Bounce.




Senior Bull Calves (9 shown): 1, W. C. Anderson & Son, Morris, Ill., of WL Bank Standard 15th; 2, Wm. Bartholomay, Jr., Libertyville, Ill., on Marellbar Inspiration; 3, Lynnwood Farm on Lynnwood Valiant.


Junior Bull Calves (10 shown): 1, W. C. Anderson & Son on WL Bank Standard 20th; 2, Mathers Bros. on Leveldale Critic; 3, Wm. Bartholomay, Jr. on Marellbar Informer.


Summer Bull Calves (5 shown): 1, W. C. An-



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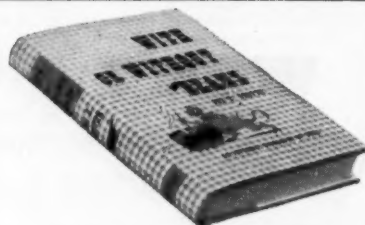
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Echt Prince Regent, junior and grand champion Shorthorn bull, National Western Stock Show, owned by Mathers Bros., Mason City, Ill.

derson & Son on WL Bank Standard 24th; 2, Mathers Bros. on Leveledale Dynamic; 3, B. Hollis Hanson on HHF Select Souvenir.

Senior Champion: B. Hollis Hanson on Strowan Souvenir.

Reserve Senior Champion: Idylweiss Stock Farm on Braemor President 22d.

Junior and Grand Champion: Mathers Bros. on Echt Prince Regent.

Reserve Junior and Reserve Grand Champion: Wm. Bartholomay, Jr., on Marellbar Purvis.

Group of Three (6 shown): 1, W. C. Anderson & Sons; 2, Mathers Bros.; 3, Wm. Bartholomay, Jr.

Group of Two (9 shown): 1, W. C. Anderson & Sons; 2, Wm. Bartholomay, Jr.; 3, Mathers Bros.

Two-Year-Old Heifers (2 shown): 1, Mathers Bros. on Leveledale Miss Ramsden; 2, Lynnwood Farm on Lynnwood Lustre 8th.

Senior Yearling Heifers (7 shown): 1, 2, Mathers Bros. on Leveledale Blythesome 4th and Leveledale Augusta Lass; 3, Lynnwood Farm on Lynnwood Daybreak A 4th.

Junior Yearling Heifers (6 shown): 1, B. Hollis Hanson on HHFD Augusta B; 2, Mathers Bros. on Leveledale Miss Ramsden 2d; 3, Idylweiss Stock Farm on Joan 25th.

Summer Yearling Heifers (9 shown): 1, W. C. Anderson & Sons on WL Violet Mist 47th; 2, Wm. Bartholomay, Jr. on Marellbar Beauty 9th; 3, B. Hollis Hanson on HHF Air Augusta S.

Senior Heifer Calves (11 shown): 1, Wm. Bartholomay on Marellbar Rosewood; 2, L-Bar Ranch, Keldron, S. D., on L-Bar Bridesmaid 30th; 3, W. C. Anderson & Son on WL Nonpareil 2d.

Junior Heifer Calves (8 shown): 1, 2, W. C. Anderson & Son on WL Lovely Victoria 2d and WL Violet Mist 3d; 3, Mathers Bros. on Leveledale Blythesome 7th.



WL Lovely Victoria 2nd, junior and grand champion Shorthorn female, National Western Stock Show, owned by W. C. Anderson & Son, West Liberty, Iowa.

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Range Bulls for Sale—20 good, rugged serviceable age range bulls reasonably priced.

See our consignments to these sales:

San Antonio, Feb. 21—one daughter of the "20th" and one granddaughter of Quality Prince 17th. Both sell open.

Austin, March 2—one daughter of the "20th"—open.

Our show herd will be at the Fort Worth, Houston and San Antonio shows.

You are cordially invited to come by our stalls to inspect our cattle and "talk Angus."

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CLARE COUNTRYMAN, Herdsman

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CAMP SAN SABA, TEXAS

Summer Heifer Calves (4 shown): 1, W. C. Anderson & Son on WL Princess Rosewood; 2, Idylweiss Stock Farm on Idylweiss Roseblush 5th; 3, Doyle W. Bloder, Grand Lake, Colo., on WRR Royal Duchess.

Champion Senior Female: Mathers Bros. on Leveldale Miss Ramsden.

Reserve Champion Senior Female: Mathers Bros. on Leveldale Blythesome 4th.

Junior and Grand Champion Female: W. C. Anderson & Son on WL Lovely Victoria 2d.

Reserve Junior and Reserve Grand Champion Female: Wm. Bartholomay, Jr. on Marellbar Rosewood.

Get of Sire (5 shown): 1, W. C. Anderson & Son on N Bar Prince; 2, Wm. Bartholomay, Jr. on Cruggleton Leishman; 3, Mathers Bros. on Leveldale Basis.

Pair of Females (6 shown): 1, W. C. Anderson & Son; 2, Wm. Bartholomay, Jr.; 3, Mathers Bros.

Pair of Yearlings (7 shown): 1, W. C. Anderson & Son; 2, Wm. Bartholomay, Jr.; 3, Mathers Bros.

Pair of Calves (7 shown): 1, W. C. Anderson & Son; 2, Wm. Bartholomay, Jr.; 3, Mathers Bros.

Junior Get-of-Sire (5 shown): 1, W. C. Anderson & Son on N Bar Prince; 2, Wm. Bartholomay, Jr. on Cruggleton Leishman; 3, B. Hollis Hanson on Sunset Bounce 25th.

Gorges Aberdeen-Angus Sale

SUMMARY

18 Bulls	\$ 7,760; Avg.	\$431
106 Females	39,625; Avg.	374
124 Head	47,385; Avg.	382

AL AND LEE GORGES held their Aberdeen-Angus production sale at the ranch near Fall River, Kansas January 8. Topping the sale at \$2,900 and selling to Red Oak Farms, Rocky Comfort, Mo., was Gammer G 3d, a March, 1952 daughter of Everbest Prince.

This good Gammer heifer sold bred to Prince T 155th of S.A.F. Selling to Dodson Bros., Wichita, Kans., for \$1,750 was Peers Bessie C.C.S., a March, 1954 daughter of Peer 150th of S.A.F. Also selling for \$1,750 to Penney & James, Hamilton, Mo. was Blackcap Bessie, E. G., a January, 1953 daughter of Homeplace Eileenmere 687th.

The top selling bull of the sale at \$1,000 was Prince T276th of S.A.F., a May, 1954 son of Prince 105th of S.A.F. Ken Conzelman, Bozeman, Mont. was the buyer. Selling to Dale Lee, Eureka, Kans. on a bid of \$925 was Prince T251st of S.A.F., a May, 1953 son of Prince 105 of TT.

Auctioneers were Ray Sims and Ken Conzelman.

Aberdeen-Angus Transactions

J. R. Bates, Jr., of Louisburg, Kansas, sold 12 cows to Clinton Bailey of Nocona, Texas, and two bulls to Frank Crawford of Sulphur, Okla.

L. A. Ferguson of Jacksboro, Texas, bought 10 cows and two bulls from Stanley C. Rodgers of Milton, Ia.

L. W. Burr & Son of Groveton, Texas, sold a bull each to Joe Jurek of Groveton, Texas, D. C. Barton of Groveton, Texas, and to Pearl Golenor of Groveton.

J. B. Kennedy of Windy Hill Farm of Carrollton, Texas, sold three cows to Woodrow Walker of Dallas, Texas.

Thomas Pierce of Keller, Texas, sold 18 cows and four bulls to George G. Curl, Jr., of Ft. Worth, Texas.

Boutwell Farm of Celeste, Texas, sold three cows to Clyde L. Ready of Leonard, Texas.

Mr. & Mrs. H. M. Moss of Farwell, Texas, bought 13 cows from W. D. Ranch of Lipan, Texas.

Irvin Willhoite of Broken Arrow, Okla., sold 11 cows to V. J. Sweeney of Collinsville, Okla.

THIS TOP, PROVEN SIRE FOR SALE

QUALITY OF ADA 2nd

Calved: May 22, 1950

Quality Prince 17th 1047441	Quality Prince of Sunbeam 567031	Black Pr. of Sunbeam 504521	Bl. Peer of St. Albans Pride 17th of Sunbeam
	Edwina 9th of S.	Queen 24th of Sunbeam 443147	Playman of Sunbeam Queen of Sunbeam
Erica 3d of Ada 1077347	Prince Sunbeam 153rd 846860	Master Page 484244	Evascus of Page Miss Naomi
	Erica 45th of F. 809944	Edwina 7th of Okla.	Ererica of St. Albans Edwina 6th of Okla.
		Prince Sunbeam 100	Bl. Prince of Sunbeam Barb. of Rosemere 100th
		Ever Erica 6th of Sunb.	Elban of Sunbeam
		Irenmere of Wheatland	Ever Erica 3rd Pr. Irenmere of W'land
		Erica 5th of Fair	Lilly R. 8th Ledstar Brune Erica Harrison

Quality of Ada 2nd is a proven bull that we will guarantee fully. We have a great number of his daughters in our breeding herd, and plan to keep a son of his. We feel that we should give some breeder the opportunity to obtain this fine bull when he is still in his prime to do a great job.

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REGISTERED ABERDEEN-ANGUS CATTLE
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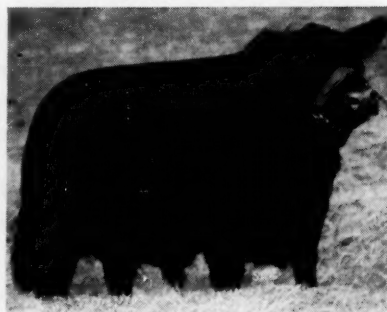
B. G. BYARS, OWNER

J. L. MYRICK, MANAGER

M. L. SNYDER, Herdsman

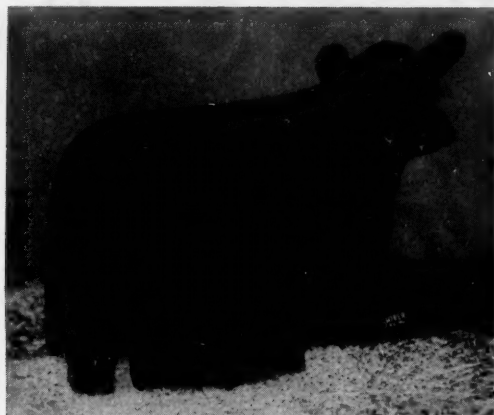
DOYLE GLOSSUP, Asst. Herdsman

Bull Calf Sells for \$50,000



Essar Ranch, owned by Tom Slick, San Antonio, recently sold Royal Essar 52nd, an outstanding son of Prince Sunbeam 328, to Ralph L. Smith, Chillicothe, Mo., for \$50,000. The bull, calved in May, 1954, is a half brother to Shadow Isle Prince for which Smith paid \$57,000 in 1952. Royal Essar 52nd won his class at the Denver show and will compete in the Fort Worth, San Antonio and Baton Rouge shows.

ESSAR'S ANNUAL PRODUCTION SALE



Lot 34—Alford's Miss Burgess B

A real beef cow that has about everything we could ask for in a brood cow. Has a top bull calf at side that we predict a great future for. He is sired by Shadow Isle Prince 37th, our great show and breeding son of Prince Sunbeam 328th. Sells rebred to Prince of Red Gate 69th.



Lot 45—Princess of Orchard Hill 81st

A great producing cow sired by Prince Sunbeam 81st and out of a daughter of Prince Sunbeam 80th. Has a good daughter of our Prince Envious of Ames at side and sells rebred to him.

MANY 3-in-1 COMBINATIONS LIKE THOSE ABOVE SELL

Friday, February 11, 1955 — At the Ranch — San Antonio, Texas

50 Head — 7 Herd Bull Prospects

22 Cows — 16 Calves at Side — All Rebred

22 Bred and Open Heifers

GREATS BY 328th



Lot 8—Miss Blackcap 50 of Essar

One of the greatest daughters of "328th". Just a November baby, but good enough to be 3rd at Chicago and the Futurity, 2nd at the recent Denver Show, and Junior and Reserve Grand Champion at Dallas, Waco and Palestine, in our winning Junior Get that is undefeated. Several half sisters that are real foundation kind that you can really tie to, sell.

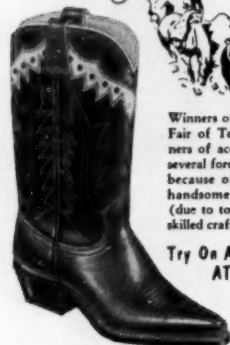


Lot 3—Royal Essar 19th

We've shown the 19th all year and even though very short aged he has done well and been admired by many as a future "breeding bull." What a head, great fleshed, and as much bone as I've seen on a calf. He looks like a bull and we predict he will sire a lot of show cattle. We think we have a great set of bulls to offer including 1 proven bull and 5 top show bulls.

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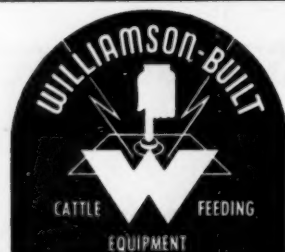
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Seven Beef Breeds Well Represented

SAN ANTONIO'S Livestock Exposition, often called the fastest-growing livestock show in the nation, can still claim the title as it prepares for its sixth year. Entries already assure more livestock than have ever before been shown, and officials predict the final total, excluding horses and rabbits, will top 4800 head. The show will be held Feb. 18-27.

Breeders and stockmen from all over the nation, as well as Mexico, Central and South America and Canada, will attend or participate in the show.

Record premiums of \$90,000 are being offered. Of this, \$67,000 are earmarked for the livestock and horse shows, a \$10,000 increase over the 1954 show.

San Antonio Livestock Exposition officials reported entries have already reached 4539 head. This is the greatest number of entries received in the history of the show and exceeds the former record of 4140 head entered in the 1952 exposition.

The breeding cattle show will again have departments for Herefords, Polled Herefords, Aberdeen-Angus, Shorthorns, Brangus, Santa Gertrudis and the dual Brahman show featuring ABBA and PAZA entries.

A total of 1011 head of breeding cattle has been entered on the books of the show. A breakdown of entries to date in the breeding cattle show and the premiums in each division are as follows: Aberdeen-Angus, 182 entries and \$5440 in premiums; Brahmans (ABBA), 57 entries and \$3000; Brahmans (PAZA), 112 entries and \$3000; Brangus, 44 entries and \$2520; Hereford, 340 entries and \$8000; Polled Herefords, 117 entries and \$1500; Shorthorn, 46 entries and \$3000; Santa Gertrudis, 73 entries and \$2000. Forty exhibit cattle have also been entered.

A total of 595 steers have been entered. In the Boys Livestock Show, limited to boys who live in Texas, Fat Steer premiums total \$3055 and entries now total 376. Premiums for Open Class Fat Steers total \$3510, and 219 head have been entered.

A new feature of the show, announced by E. W. Bickett, president of the exposition, is addition of classes for Range Bulls in pens of three and five head. Registered Herefords, Angus, Brahmans and Santa Gertrudis bulls will be eligible to compete. There are 21 pens with 81 head entered in this department.

Breeding cattle auction sales to be held include Aberdeen-Angus on Feb. 21; Hereford on Feb. 22; Polled Hereford on Feb. 23, and Groups of Hereford and Angus Bulls following the association sales.

Santa Gertrudis and Brahman groups will sell at 1:30 p. m. Feb. 24.

The grand champion steer of the show will be selected Monday evening, Feb. 21 during the performance of the Everett Colborn World's Championship Rodeo.

Sixteen top livestock specialists have been appointed as judges. They are:

Herefords—Glen Bratcher, head of the Animal Husbandry Department, Oklahoma A & M, Stillwater;

Aberdeen-Angus—Dr. A. E. Darlow, Dean of Agriculture, Oklahoma A & M;

Brahman (ABBA)—Dr. J. C. Miller, head of the department of Animal Husbandry, Texas A & M;

Brangus—Dean W. L. Stangel, Dean of Agriculture and Director of Farms, Texas Tech College;

All Steers — Don L. Good, Associate Professor, Department of Animal Husbandry, Kansas State College, Manhattan, Kan.;

Polled Herefords—Dr. Arthur D. Weber, Dean of the School of Agriculture, Kansas State College;

Santa Gertrudis—Dr. H. H. Kildee, dean emeritus of Agriculture, Iowa State College, Ames, Iowa;

Shorthorns — John C. Burns, broker and consultant from Ft. Worth;

Milking Shorthorns, Morgan Dennis, breeder from Dimmitt.

Fat Lambs—Roy W. Snyder, Livestock and Meat Specialist with the Extension Service, College Station;

Medium Wool Sheep—Lamar Esplin, Associate Professor, Department of Animal Husbandry, Colorado A and M, Ft. Collins, Colo.;

Fine Wool Sheep—Don Bell, Ohio Experiment Station, Wooster, Ohio;

Goats—Arthur Davis, Sabinal;

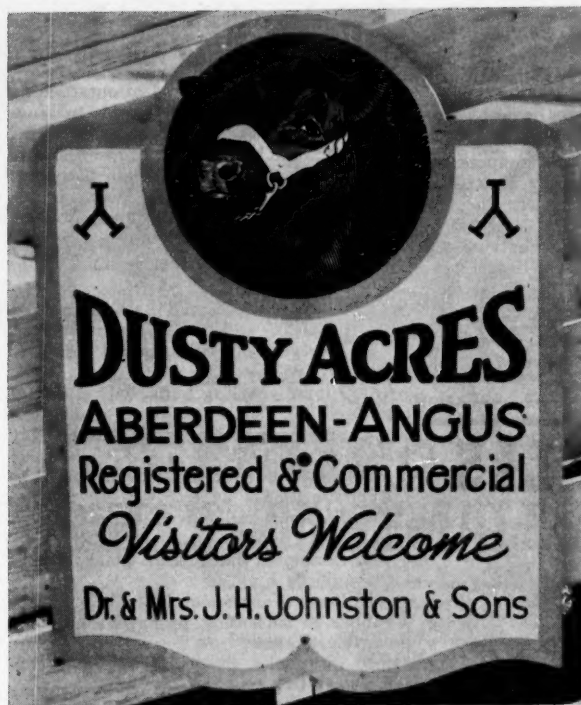
Holsteins—Dr. I. W. Rupel, head of the Dairy Husbandry Dept., Texas A & M;

Fat Swine—Wesley Miller, Montpelier, Ohio;

Jerseys and Junior Dairy Show—C. L. Rougeau, head of the department of Animal Husbandry, Southwestern Louisiana Institute, Lafayette, La.

Livestock breeders of Mexico, Central and South America and Cuba have been especially invited to attend the San Antonio show. Personal invitations were extended by three Texas cattle breeders during a 17-day, 5000-mile air tour of Mexico, Guatemala, Panama, Colombia, Venezuela and Cuba on behalf of the exposition.

Entries in the horse show will be competing this year for a total of \$6190 in premiums, plus trophies. Competition will be divided into Quarter Horse, Cutting Horse and Palomino divisions.



THE
D (Dusty) **A** (Acres)
REGISTERED ABERDEEN-ANGUS
DISPERSION
FEB. 10th
LA JUNTA, COLORADO

These females are the kind of foundation stock that many will want to put that new life in their herd. They have Desirability and Adaptability from every standpoint. They have the Distinct Angus type, good headed, short, deep and thick with calves at side that will fit the demand of Mr. Angus Breeder, Mr. FFA, Mr. 4-H, and Mr. Feeder.

The breeding of these cattle has been closely governed and planned to produce the best of results. This is shown in their calves on the ground and the many females that have been kept in the herd for brood cows. They, along with the herd sires and herd bull prospects, have certainly inherited that Doing Ability. A Ranch herd carefully selected for fleshing, quality, and conformation.

SELLING 240 HEAD - 222 LOTS

86 bred cows, 2 and 3 year olds • 41 bred heifers • 40 heifer calves • 23 cows with calves at side • 2 herd sires • 12 range bulls • 3 herd bull prospects.

The bred cows are carrying the service of Homeplace Eileenmere 248 and Johnston Blackmar J 602.

Herd sires Selling: Blackmar N 12th and Johnston Revolution.

Heifers are sired by Ever Prince 132, Elbar 202 of Shady Lane V and Blackmar N 12th.

FAMILIES REPRESENTED

McHenry Abbie	Pride	Johnston Annie
Cairnballoch Fanny	Erica	Miss Burgess
Eisa Trojan Ericas	Queen Mother	Dulce
Enchantress Trojan Ericas	Blackcap	Barbara
Kildonian Ericas	Blackbird	Mina
	Wester Fowlis Susan	

Cattle can be seen on Ranch located 7 miles east of La Junta on old Santa Fe Trail Road.



AUCTIONEERS: Colonels Roy G. Johnston, Hank Wiescamp.

MANAGERS: GARNICK AND GARNICK Sales Service, 21 Clanton, Woodland, Calif. Phone 2-9848.

SALE HEADQUARTERS: Kit Carson Hotel, La Junta, Colorado.

SALE: Heated Pavilion of WINTER LIVESTOCK COMMISSION CO., Highway 50, East of La Junta, Colorado. Lunch Available.

La Junta can be reached by Continental Air Lines, and the main line of the Santa Fe Railroad. Can be reached via Highway 50, coast to coast.

Write for Catalogues: Bill Garnick, 21 Clanton, Woodland, California

Dusty Acres Aberdeen-Angus Ranch

OWNERS: Dr. and Mrs. J. H. Johnston and Sons • Phone 231 • Route 1, La Junta, Colorado

Approval of the American Quarter Horse Assn., has been given the Quarter Horse competition, which will be held Feb. 18 to 22, with entries competing in Halter and Performance classes. Halter classes will vie for \$1850 in premiums, plus trophies. In the Performance section, premiums of \$400 are offered in both the Reining class and Roping Horse class, with entry fees also added to the premiums.

For the second year, Palominos will compete as a division of the horse show. The contest is approved by the Texas Palomino Exhibitors Assn. A total of \$1540 in premiums, plus trophies, will be offered in the Palomino division, with Halter classes getting \$760 and Perform-

ance classes \$780. Both Halter and Performance classes will be divided into Stock Horse type and Pleasure type.

Palominos will be judged Feb. 23 to 27, with Western Pairs judged during rodeo performances.

Cutting horses, working at each performance of the rodeo, will compete for a purse of \$2000 plus entry fees. This competition is approved by the National Cutting Horse Assn.

Deadline for horse show entries are Feb. 14 for Quarter Horses, Feb. 17 for cutting horses and Feb. 18 for Palominos.

Breeders Report Excellent Results
from Advertising in
The Cattleman.

Sixth Annual National Brangus Show at San Antonio

A TOTAL of 45 head of outstanding cattle from 12 herds in four states have been entered in the sixth annual National Brangus Show to be held at the San Antonio Livestock Exposition February 23. Dean W. L. Stangel of Texas Technological College, Lubbock, will judge the show.

Official classes for the National Brangus Show include:

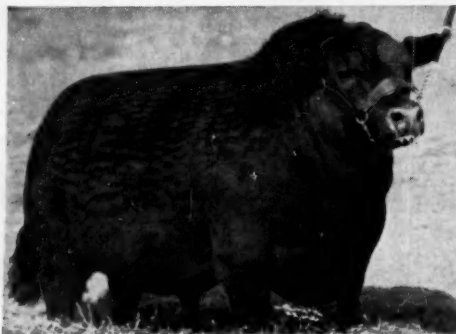
1. Aged bulls, calved Jan. 1 to Dec. 31, 1951.
2. Two-year-old bulls, calved Jan. 1 to Dec. 31, 1952.
3. Junior yearling bulls, calved Jan. 1 to April 30, 1953.
4. Summer yearling bulls, calved May 1 to Dec. 31, 1953.
5. Junior bull calves, calved Jan. 1 to April 30, 1954.
6. Summer bull calves, calved May 1 to Dec. 31, 1954.
7. Champion bull, first place winner through sixth class.
8. Reserve champion bull, second place winner in class that produced champion eligible to show.
9. Two bulls, bred and owned by exhibitor.
10. Aged cows, calved Jan. 1 to Dec. 31, 1951.
11. Two-year-old cows, calved Jan. 1 to Dec. 31, 1952.
12. Junior yearling heifers, calved Jan. 1 to April 30, 1953.
13. Summer yearling heifers, calved May 1 to April 30, 1953.
14. Junior heifer calves, calved Jan. 1 to April 30, 1954.
15. Summer heifer calves, calved May 1 to Dec. 31, 1954.
16. Champion female, first place winner 10 through 15.
17. Reserve champion female, second place winner in class that produced champion eligible to show.
18. Two females, bred and owned by exhibitor.
19. Get of sire, four animals, all by one sire, both sexes represented—all owned by exhibitor.

Breeders showing at the San Antonio show include: Clear View Ranch, Vinita, Okla.; Clear Creek Ranch, Oklahoma City, Okla.; E. B. Germany & Sons, Dallas, Texas; Carl Colwick, Stephenville, Texas; Dale Baird, Longview, Texas; Henshaw Brothers, San Antonio, Texas; S. L. Keen, Jr., Belton, Mo.; Carl J. Aldenhoven, Fort Worth, Texas; Leonard Owens, Gove, Kans.; Bill Kuykendall, Kyle, Texas; Willow Springs Ranch, Burton, Texas, and J. R. Canning, Eden, Texas.

A special invitation is extended to all Brangus breeders to attend the annual meeting of the American Brangus Association, which will be held Feb. 22, the day preceding the judging. A dinner dance will be held in the Grand Ballroom of the Gunter Hotel the evening of Feb. 23.

The brand is the cattleman's coat of arms. Is yours recorded?

VISIT US AT OUR STALLS



PRINCE 105th of T.T.

At the Great Fort Worth Livestock Show & Exposition

You are cordially invited to see our entries in this great Show and Exposition. You will be most welcome at our stalls here and at the other Winter Shows in San Antonio, Houston, Austin, Baton Rouge, and elsewhere. We will enjoy visiting with you and we will be proud to show you our cattle.

See our entries in the Fort Worth Angus Sale

We have entered six excellent quality heifers, all carrying the services of the Champion and sire of Champions, Prince 105 T. T. You will like these heifers, they are backed by the blood of Champions.

Visit Our Farms During 1955

Do plan to visit our farms during 1955. You are always welcome. Come by and see the calves on the ground and those arriving daily sired by "The World's Most Valuable Bull," Prince 105 T. T. They are most promising.

Joe Hooten Angus Service
Austin, Texas

BYARS ROYAL OAKS
REGISTERED ARBIDEEN-ANGUS CATTLE
TYLER, TEXAS
Owner: B. G. Byars. Manager: Jimmy Myrick.
Herdsmen: M. L. Snider.

THE AWYNNE'S
ANGUS FARM
FARM LOCATED 6 MILES EAST OF SAN ANTONIO ON HIGHWAY 94
ORIGINAL BREEDERS OF THE ARBIDEEN-ANGUS CATTLE
OWNERS: Angus Wynne, Jr., and Bedford Wynne.
Cattle Manager: Norman Johnson.
Farm Manager: Joe Ellis.
Herdsmen: Dale Flora.



Charles Newsom and Joe Mills, Owners
Duil Stevens, Herdsman

SELLING 5 BULLS - 60 FEMALES

BULLS

Herdsire prospects and one proven herd bull . . . real herd improvers ready for service at your own price. Bardolier, A. V., and Quality Prince breeding. Quality Prince 23d, 6-year-old herd bull, sells.

FEMALES

20 Open Heifers and 40 Bred Heifers sell. The open heifers will help make your bulls famous. The bred heifers are bred to Prince Sunbeam 867th, one of the top sons of Prince Sunbeam 29th; Eileenmere 940th, by the International Grand Champion Eileenmere 85th; and White Gates Black Bardolier 11th, by the \$25,000 White Gates Black Bardolier 3d.

FAMILIES . . . Preferred, Yes!!

Gammers
Blackcap Bessies
Katinkas
Maid of Bummers

Zaras
Blackcap Effies
Georginas
Sunbeam Idessas
and others

Edwinas
Jilts
Portlethen Lucys
Tolan Paulines

Featuring the Get and Service of

Prince Sunbeam 867th
Eileenmere 940th

White Gates Black Bardolier 11th
Quality Prince 23d



LOT 2—BLACK BARDOLIER OF CHARMAY

A show and herd sire prospect for those looking for the best. He is bred by one of the top Bardolier bulls of the breed and out of a Maid of Bummers granddaughter of Prince Sunbeam 29th. Charmay may choose to retain a half interest in this youngster. You'll like him and the other four bulls selling too.

... VALENTINE'S DAY • 1955

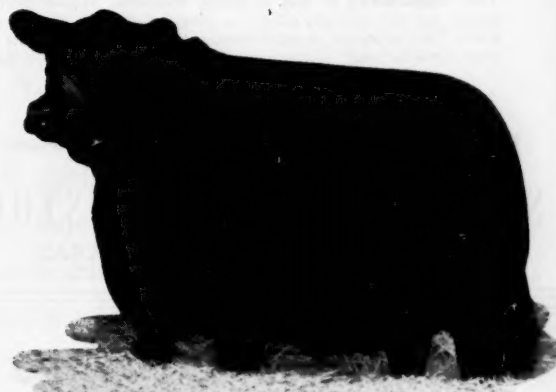
ANGUS SALE

February
14th

Seminole, Okla

12:30 P. M.

AUCTIONEERS:
Ray Sims • Guy Shull
Benny Scott for The Cattleman



LOT 6—JILT 2d OF CHARMAY

A 19-star Summer Yearling Show Heifer sired by a son of the International Grand Champion Eileenmere 85th and out of a granddaughter of the International Grand Champion Black Prince of Sunbeam. Yes, this Ballindalloch Jilt heifer will more than please you.



LOT 10—EDWINA OF CHARMAY

An Oklahoma Edwina and what a senior calf show and brood cow prospect. A daughter of Eileenmere Quality Prince by "487th" coming through the Oklahoma Edwinas that produced the 1947 International Grand Champion bull. You'll profit by selecting her. Open.

Valentine's Day "Heart o' the Herd" SALE

FEB. 14 • 1955 • SEMINOLE, OKLAHOMA

FOR SALE!

Registered Angus Herd

335 HEAD

 Cows, Heifers
Bulls, Calves

 Herd established 14 years.
Prefer to sell to one buyer
but will sell in lots to suit.

ALSO — 1560-Acre Farm and Ranch

210 acres of fine bottom land in cultivation, abundance of water, suitable for irrigation, all well improved. Plenty of barns, cattle sheds and corrals. 2 houses needing repair, 2 employee houses in good condition. Owner's home a \$35,000 rock, ranch-type house. All farm equipment. Ideally located 20 miles west of Waco, Texas, on Highway 6 near Valley Mills.

COMPLETE LIQUIDATION EVERYTHING TO BE SOLD AT PRIVATE TREATY CATTLE — FARM — ALL EQUIPMENT

Your Opportunity to Buy a Going Business! Would prefer to sell to one buyer, but will sell any part . . . especially cattle. This is a "Golden Opportunity" for someone, a ready-made start with an excellent herd in a location that can't be beat. If you want to get into the purebred Angus business . . .

Here Is a Real Opportunity!

For particulars, visit the farm — or contact S. B. Swigert, Valley Mills, Texas

S. B. SWIGERT LIVESTOCK FARM

VALLEY MILLS, TEXAS

QUARTER-BLOOD *Brangus* FOR SALE

75 Cows — The "BUY" of the Year!

We offer for immediate sale a group of 75 one-fourth-blood cows of our BRANGUS FOUNDATION HERD. From the larger herd of which this group was a part has just come prize-winning animals that "won't quit." This was the herd that produced the famous GET-OF-SIRE foursome at the 1954 National Brangus Show. These cows were sired by Clear Creek Ranch bulls and have been bred back to Clear Creek bulls. One or any group of these cows will prove a valuable asset to your own herd. These are PRODUCING one-fourth-blood cows . . . PRICED TO SELL!

COWS STARTED CALVING ABOUT DECEMBER 1, 1954

It was from the foundation herd of which these cows were a part that has come a Reserve Grand Champion Female, six first places, five second places and a second place BEST OF TWO FEMALES in four Brangus shows, from February, 1953, to February, 1954.

Also Offering 6 Yearling Registered
Brangus BULLS . . . Ready for Service



For Information Contact:

Carl Colwick, Phone Lindsey 5281
1083 W. Frey St., Stephenville, Texas

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RODEO SEASON SPECIAL

20% Discount for Cash
SHROYER TRAILER SALES
Authorized Dealer for
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San Angelo, Texas

For information about the
Texas and Southwestern Cattle Raisers
Association contact
Henry Bell, Secretary
410 East Weatherford, Fort Worth.

Brangus Briefs

By JO HEIDEN

We received an interesting letter from Daniel M. Hartter of Eureka, Illinois, advising that he has nine baby calves that were dropped in the pasture recently during damp, wintery weather with temperatures around 15 degrees above zero and that they are taking it like real Brangus do—with no ill effects.

Dorsey Buttram, manager of the Clear Creek Ranches, showed me the wonderful pictures he had taken on his trip to South America. Several of the pictures taken at the Colombia Fair showed Louis Gilbreath of Ocala, Florida, judging the fine Brahman cattle that had been entered in the Brahman show. Clear Creek Ranch had three head of Brangus cattle on exhibit at this fair in Colombia and the crowds milling around them showed the amount of interest in the Brangus breed down there.

W. E. Durst, manager of the Linn Creek Ranch, Trimble, Missouri, wrote that his Brangus cows are doing fine and have grown exceptionally well for their age. He is expecting some calves before too long and is looking forward to a fine herd of Brangus cattle.

O. L. Surface of Alvin, Texas, reports the sale of a quarter blood bull, Van B Button, to Leon Brown of Friendswood, Texas.

James R. Colpitt of Collinsville, Oklahoma, has taken delivery on a Brangus bull and cow from Clear Creek Ranches, Oklahoma City, Oklahoma.

A. A. and G. W. Nielsen of Hastings, Nebraska, have recently taken delivery on nine registered Brangus females from Leonard Owens, Gove, Kansas.

H. R. Haines of Velma, Oklahoma, reports the sale of a quarter-blood bull, Ice Hollow 19th, to L. Davis of Duncan, Oklahoma.

A. R. Coble of Windsor, Missouri, has taken delivery on six registered Brangus heifers from Clear View Ranch, Vinita.

I hope all of you are making plans to attend the 6th Annual Brangus Show and membership meeting in San Antonio, Texas. The date of the annual membership meeting is February 22 and the Brangus judging will be on February 23. W. L. Stangel, Dean of Agriculture Texas Technological College, Lubbock, Texas, will judge the Brangus breeding classes.



Edwards Ranch Opened for Residential Development

THE 4,000-acre Cass O. Edwards ranch, now practically surrounded by the city of Fort Worth, will be opened for residential development in the near future.

Decision to open and develop the Edwards properties ends several years of speculation in the real estate circles and removed a natural barrier which for years has halted the city's growth to the Southwest. It is considered some of the most valuable undeveloped land remaining in the state.

The ranch has been under unbroken family ownership for 107 years. It was settled by Lemuel J. Edwards in 1848.

Cass O. Edwards II, will head Cassco Land Company, Inc., in developing the property.

A feature story about the property and the commercial herd of Shorthorn cattle owned by the Edwards family appeared in the December, 1953, issue of *The Cattleman*.

A Letter From an Old Timer

Have just received the December issue of *The Cattleman*. We think you have hit the nail on the head with the Christmas cover. It reminds me so much of the early day of West Texas and eastern New Mexico. We were in those parts when the first settlers arrived. We were working with the Hat Wagon when they shipped their cattle from New Mexico to Montana. We then went with Scarbrough Cattle Co. at the Five Wells Division, staying in Horse Camp. We broke horses there during 1901 and 1902. Millard Eidson was ranch manager and Joe McQuery was outside man. Billy Pea stayed with me in Horse Camp. If anyone knows of his address we would like very much to have it. Then when Uncle John Scarbrough purchased the ranch in Pecos and Terrell counties from the Smith's we were transferred to that ranch with headquarters southeast of Fort Stockton. Wilbur Waddley was ranch foreman.

These surely were the good old days when we had very little to worry about. Cows and calves were worth \$20 a pair and steer yearlings would bring \$11 to \$15. Grass was cheap and water was scarce, especially during the hot summer months when we had to pump all that the cattle got with a horse-drawn pump. I remember one summer when I was with Tom Ivey on the old T4 outfit. Tom took a herd of four-year-old steers to Bovina for shipment north and left me at the ranch to look after things until his return. The wind stopped blowing and there was no one but myself to check all of the 52 windmills and look after the water for the steers. We were almost out at all places. I started a Fairbanks Morse engine at the ranch where lots of steers watered. Aubrey McCann came by the ranch and we hired him to help us out until Tom returned. Aubrey worked

there a number of years. Just Aubrey and I looked after three pastures which were entirely out of water. Well, something had to be done. There was an old Jack at the ranch. Aubrey and I loaded a pump jack on the wagon, led the old Jack behind and away we went to the Joker well. This was about fifteen miles down Sulphur Draw, from where now is located the bustling little town of Plains. This tank lot was very large. We set the pump jack inside the water lot and hitched the old Jack to the power lever securely, so that he could not get loose, and then placed a barrel of water in reach of the circle that he would have to travel. Beside the barrel of water we placed a tub of oats. I drove the wagon and Aubrey brought all of the saddle

horses from the ranch to this pasture. Joker being in a deep draw, this old Jack could not see any stock until they were near the well. Cattle, of course, were around the tank and well most all the time in the day. This did not excite the old Jack at all, but when some of these horses would show up in sight that old Jack would sure go to work. Around and around he would go braying all the time. The pump in this well was of five inch oil field casing with a 4 3/4 Cook cylinder. Horses coming in at different times kept the old Jack working most of the daylight hours and we were very well pleased as he kept about 900 steers in water. Yes, those were surely the good old days, nothing to worry about.—Ben Hurst, Santa Fe, New Mexico.



WE cordially invite you to visit the Brangus Exhibit and see the Brangus show herds during the San Antonio Livestock Exposition. Brangus cattle will be judged by W. L. Stangel, Dean of Agriculture, Texas Technological College, at 8:00 a. m. on Wednesday, February 23rd.

AMERICAN BRANGUS BREEDERS ASSOCIATION

109½ S. Wilson • Telephone 1200

VINITA, OKLAHOMA

ABERDEEN-ANGUS

**"THE BREED WITH
A RECORD"**

BREEDING QUALITY ANGUS THROUGH THE SERVICE OF:

- ★ PRINCE ENVIOUS of AMES by Prince Envious of Bates
(Owned jointly with Essar Ranch)
- ★ MASTER PRINCE 18th of ESSAR by Master Prince 2nd
- ★ PRINCE SUNBEAM 781st by Prince Sunbeam 29th

**VISITORS ARE
ALWAYS WELCOME**

J. W. GORMAN
Owner



TRUMAN CLYBURN
Herdsmen

Angus heifers make SUPERIOR MOTHERS



Less calving trouble

Angus heifers have less calving trouble, for Angus calves have smaller, polled-shaped heads. Gives you more calves to sell.

Give more milk

Angus cows are alert, aggressive mothers... provide more milk for their calves. Gives you bigger calves to sell. Be ahead! Build an Angus herd! Buy Black heifers! American Angus Assn., Chicago 9, Ill.

ABERDEEN-ANGUS

Upon request, we will gladly send brochure reflecting full information about our herd—our herd sires—our cow herd—available cattle.

DUNRAVEN RANCH

James C. Tucker & Son, Owners Buda, Texas

OK and T Show and Sale Attractions

- One Glencarnock Elba by Prince Evascus
Sunbeam Breeding at Its Best

- One Edwina by Prince Sunbeam 745

**BUFFALO, OKLAHOMA
FEBRUARY 24, 1955**



★ Phone: Redmon, Texas, 3471

PLAN TO ATTEND

The Third Annual

**Malpi Angus Association
Show and Sale**

CLAYTON, N. MEX. MARCH 8

R. M. Buckles, Sale Chr.
STRATFORD, TEXAS

C. A. RAPP & SON



Our chief
herd sire is
Eileenmere 62d
by the "487th"

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Farms located
3 and 6 miles
west of Estelline
on State Hwy. 86

ESTELLINE, TEXAS



★ **Quality Angus that Produce** ★
25 miles north of San Antonio
on Highway 281 at Highway 46

ABERDEEN-ANGUS

Popular Bloodlines. Desirable Quality.
Attractive Prices.

CAPPS RANCH
TIPTON, OKLAHOMA

DWARFISM!

... AND what to do about it.
A series of articles by men considered the
leaders in the study of abnormal livestock
conditions... starts in the March issue.
3 yr. subscription ONLY \$5

The Aberdeen-Angus JOURNAL
P. O. Box 238 Webster City, Iowa



**-BREAK
YOUR
MATCHES**

**PREVENT
FOREST FIRES!**

Seventy-Eighth Annual Convention

TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSOCIATION
Dallas, Texas, March 22-23, 1955

*There is no death. The stars go down
To rise upon some other shore.
And bright in Heaven's jeweled crown
They shine forevermore.*

J. L. McCreary

George Kelley

George Kelley, advertising manager for Universal Mills, suffered a heart attack at his home in Fort Worth January 10 and was dead on arrival at a hospital. He was 66 years old. Kelley was born in San Saba, Texas, and was a member of a pioneer ranch family. He joined the Universal Mills about 15 years ago and had become widely known among ranch folk during the intervening years. He was vice president of the Fort Worth Farm and Ranch Club. Survivors are his wife, the former Anna Mae King; a son, George Edmund Kelley, Baton Rouge, La.; three brothers, Grady and Jim Kelley of San Saba and John Kelley of Houston; two sisters, Mrs. Eula Urquhardt and Mrs. John Plummer of Houston, and a grandson, Michael Scott Kelley of Baton Rouge.

George D. Keith, Sr.

George D. Keith, Sr., pioneer Hereford breeder of Wichita Falls, Texas, died January 11 after an illness of several months, at the age of 79. Keith was a leader in the promotion of the breeding

of Prince Domino Herefords throughout Texas and his cattle figured prominently in major shows, including the Southwestern Exposition and Fat Stock Show. He was born in Tennessee and had been a resident of Wichita Falls since 1908. He was one of the organizers of the Ben E. Keith Company of Fort Worth and served as manager of the Wichita Falls branch for many years. He had been prominent in Hereford circles for many years and at the time of his death was a director of the Texas Hereford Association. Keith is the only president to have served two terms as president of the association (1925-1926 and 1936-37) and was honored at the 1954 annual meeting for having been a member 37 years. Surviving are his wife; four sons, Kenneth, Jim, Calvin R. and George D. Keith, Jr.; a brother, Ben E. Keith; a sister, Mrs. John Alderman, all of Fort Worth; two grandchildren and two great-grandchildren.

Marshall Lee Bell

Marshall Lee Bell, pioneer West Texas cattleman, died in El Paso December 27 at the age of 86. He had been a resident of El Paso for 37 years and had served for 30 years as an inspector for the Texas and Southwestern Cattle Raisers Association, becoming well known throughout West Texas and New Mexico. Survivors include a daughter, Mrs. W. D. Burgess of Wellesley, Mass.; three sons, Frank L. Bell, George A. Bell and Robert P. Bell, all of El Paso; two sisters,

Mrs. J. H. Shumate of El Paso and Mrs. Ora Bloomington of Wichita Falls; three brothers, James Bell of Los Angeles, J. C. Bell of Dallas, and C. K. Bell of El Paso; and three grandsons.

E. H. Wade

Emmett H. Wade, former Kent County ranchman, died December 22 in a Fort Worth hospital after a lengthy illness. He was 73 years old. He had been a life-long resident of Sweetwater. Survivors include his sister, Miss Jeanette Wade of Sweetwater and his brother, Horace Wade of Big Spring.

Rex Merriman

Rex Merriman, 51, southern California cattleman and former Texan, was killed in an automobile accident December 29 when his car was struck by a truck at an intersection. Merriman was born in Texas and had spent practically all of his life in the cattle business. He was considered to be an excellent judge of cattle as well as horses. The body was shipped to Spur, Texas, for burial. Survivors include his wife; a stepson of Lancaster, Cal.; also his mother, a brother and a sister of Spur.

Joseph H. James

Joseph H. James, pioneer rancher of eastern New Mexico, died January 12 at the age of 98. James settled in Eddy county in 1898, coming from Midland, Texas, where he had been a rancher for 13 years. He brought a herd of 1000

VISIT

PECAN ACRES RANCH

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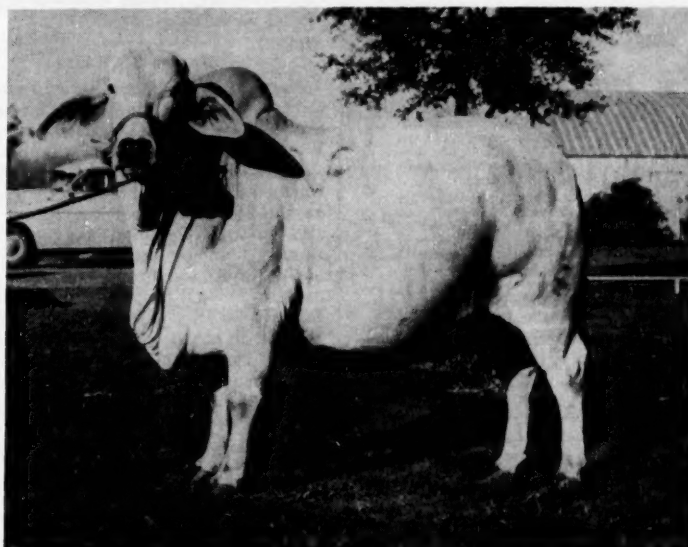


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cattle which he drove overland when he moved into Eddy county and began using registered bulls to improve his herd. He started ranching 27 miles southeast of Carlsbad and at first ran his cattle on the open range, but gradually acquired lands of his own. At the time of his death his holdings amounted to 140 sections. The ranch, operated by his sons, runs Hereford cattle. He had been in retirement for a number of years. Survivors include four sons, Frank J., Leslie and Charles James of Carlsbad and Elsworth of Magdalena, N. M., 11 grandchildren and 14 great grandchildren.

J. F. Deats

J. F. Deats, former owner of the W. I. Marshall ranch in Tom Green county, died December 27 at the age of 88. Deats had been a resident of Goldthwaite, Texas, for the last 15 years. Survivors include a son, J. F. Deats, Jr., of Goldthwaite; and two daughters, Miss Mabel Deats of Sanatorium and Mrs. W. H. Bidle of Goldthwaite.

Z. T. Vernor

Z. T. Vernor, pioneer Gonzales county merchant and stockman, died in Camp Wood, Texas, January 3, at the age of 90. Vernor was the youngest child of the Rev. and Mrs. J. E. Vernor, who moved to Gonzales county in the 1860's. He had been engaged in the mercantile business for over half a century. He moved to Edwards county in 1910. Survivors include eight children, T. A. of Taft, Texas; Jay, Russell and Ross; also Mrs. Ruby Carter of Camp Wood and Mrs. Pairlee Cox of Vance, Texas, and Will and Bell of Del Rio, Texas.

James T. White

James T. White, southeast Texas cattleman, died at his ranch home near Stowell January 11. He operated the White Ranch, a 15,000-acre spread considered one of the largest in the Texas Gulf area. His cattle brands are regarded as some of the oldest registered marks still in use. The land has been in his family four generations. White was a native of Anahuac and had been a resident of Stowell 36 years. The ranch was founded by his great-grandfather J. T. White, in 1819. Survivors include his wife, Mrs. Alice Jackson White; one son, J. T. White, Jr., and one daughter, Mrs. George W. Way, all of Stowell; one brother, S. Roy White of Anahuac; one sister, Mrs. W. J. Hailer Anahuac, and seven grandchildren.

John R. Fisk

John R. Fisk, 62, electrical contractor of Houston and a life member of the Houston Fat Stock Show Association, died December 31 after an illness of two months. He was a life member and director of the Houston Farm and Ranch Club. Survivors include his wife; and two sisters, Mrs. R. H. Davis of Houston and Mrs. Belle Smith of San Antonio.

John Campbell Hamilton

John Campbell Hamilton, 12-year-old son of John Martin Hamilton of Wichita

Falls, Texas, was killed instantly January 15 when the Hamilton car collided with another car at an intersection on Highway 114 near Fort Worth. John Martin Hamilton, who is a son of W. B. Hamilton, Hereford breeder of Wichita Falls and owner of T Bone Ranches, was critically injured. Mrs. Hamilton and a daughter who were also in the car suffered less serious injuries.

Miguel de la Garza

Miguel de la Garza, rancher and lifelong resident of Jim Hogg county, died December 20 at the age of 83. He had lived all of his life on the place where he was born. Survivors are his wife, Mrs. Inez de la Garza of Randado, five daughters, Guadalupe and Maria Luisa of Randado, Mrs. W. H. Harrell, Mrs. Jaime Munoz, and Mrs. Armando Ramos of Hebronville, two sons Rafael de la Garza, Jim Hogg county sheriff of Hebronville and Miguel de la Garza, Jr., of Randado.

Ludia Westmoreland

Ludia Westmoreland, planter, rancher, livestock dealer and businessman of Bastrop, La., died December 10 of a heart attack at the age of 62. Westmoreland was well known throughout Louisiana, Mississippi and Texas and at one time was associated with the Burnett-Yount Horse and Mule Commission Company in Fort Worth. He is survived by his wife; four daughters, Mrs. Kathryn Brown and Mrs. Betty Williamson, both of Talulah, La., Mrs. Mary Louise St. John of West Monroe, La. and Mrs. Nelouise Priest of Greenville, S. C.; a step-son, Edwin David Wall of St. Louis, and six grandchildren.

L. M. Hebert, Sr.

L. M. Hebert, Sr., widely known cattleman and lifelong resident of Jefferson county, died January 6 at the age of 78. Surviving are his widow; two sons, L. M. Hebert, Jr., and Numa V. Hebert, both of Beaumont; two daughters, Mrs. W. A. Bosse of Beaumont and Mrs. Morris Matthews of Port Arthur; three brothers, F. M. Seth, Seth J. and Claffa J. Hebert, all of Beaumont, and one sister, Miss Eva Hebert, Beaumont.

G. E. Thomas

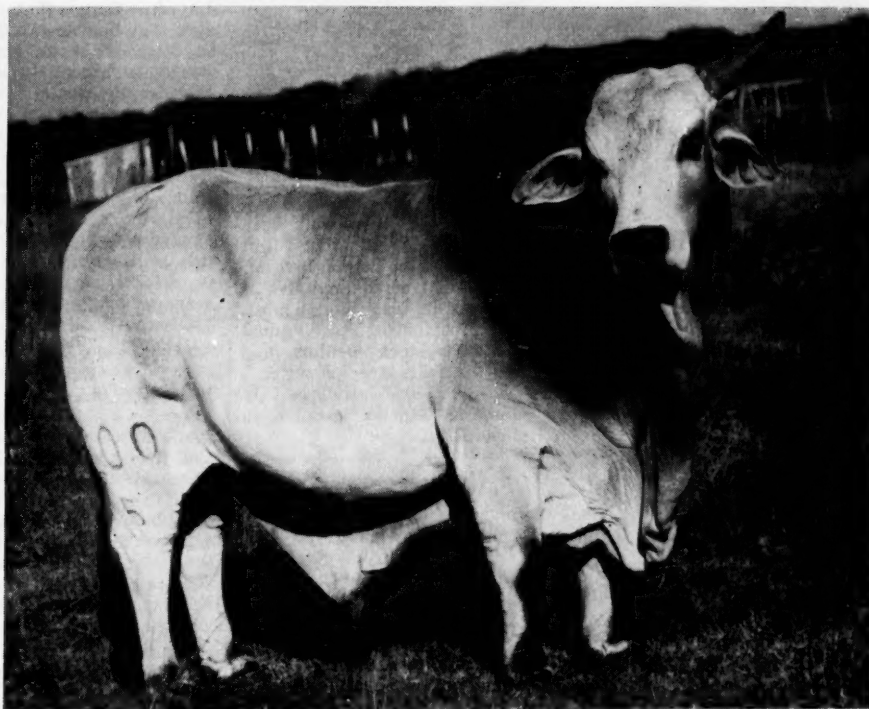
G. E. Thomas, one of the oldest settlers of the Eagle Lake, Texas, community, died January 7 at the age of 97. He was born in Aberdeen, South Wales, and was a stockman and rice farmer for many years. Survivors include four daughters, Mrs. G. B. Heflin and Mrs. H. E. Isenhower of Lissie, Mrs. E. B. Powers of Temple and Mrs. Glen Sunderman of Eagle Lake; five sons, Armit of Lissie, and Dave, Moses, Griffith, Jr., and W. M. Thomas, Sr., all of Eagle Lake.

D. H. Hardy

Daniel Hart Hardy, farmer-stockman and lifelong resident of Walker county, died in Huntsville, Texas, at the age of 60. Hardy was born in the Hawthorne community and had farmed and raised cattle most of his life. Survivors include



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his wife, Mrs. Iris Hardy, New Waverly; a son, William Ray Hardy, Bellaire; a daughter, Mrs. Dorothy Tippen, League City; three sisters, Mrs. M. L. Downey of Victoria, Mrs. F. S. Browder of New Waverly and Mrs. Inez Whitfield, Houston; a brother, J. E. Hardy, Shepherd, and a foster brother, W. W. Hardy, Highlands.

Mrs. Kate Richter

Mrs. Kate Richter, wife of S. C. Richter, cattleman and rancher of Pleasanton, Texas, died January 4 at the age of 63.

Dan Baumann

Daniel Baumann, pioneer rancher and cattleman of Harris county, died December 29 of a heart attack at the age of 74. Baumann was the son of Pete Baumann, pioneer north Harris county cattleman who came to this country from Germany nearly 100 years ago. He is survived by a son, Milton C. Baumann; a daughter, Mrs. Louise Bobb; eight grandchildren and one great-grandchild.

John Wesley Pace

John Wesley Pace, 96, pioneer banker and rancher in Bell County, Texas, died in Fort Worth Jan. 25. He was a native of Salado and lived in Bell county for 88 years. He had been living with a daughter in Fort Worth since his retirement nine years ago. Pace organized and was president of the First State Bank and First National Bank in Killeen. He left that profession for ranching. Survivors include two sons, Joe of Littlefield and

Arthur of Fort Worth; three daughters, Mrs. Byrd Baker and Mrs. R. A. Cramer of Fort Worth and Mrs. Nell Davis of Dallas.

H. F. (Joe) Lane

H. F. (Joe) Lane, 57, owner of Rodgers & Lane Livestock buying firm, died Jan. 25 at his home in Fort Worth, Texas. Lane was a native of Missouri and first came to Fort Worth in 1922. He was a former president of the Traders Livestock Exchange in Kansas City. Lane served in the 35th division during World War I along with former president Truman, whom he knew well. Both were members of the same Forty & Eight Voiture of the American Legion in Kansas City. He was a past commander of the Kansas City American Legion post. He was a past president of the National Association of Livestock Dealers and order buyers. Survivors are his wife; a sister, Miss Evah Lane of Kansas City and two brothers, Othello and Lucian Lane of Kansas City.

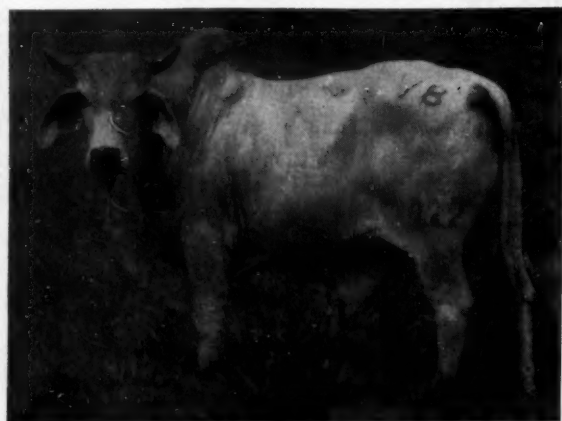
Cattlelog

Herb Layman, member of the Hereford breeding firm of Kavanaugh-Layman and Purdy, has disposed of his cattle and land near Butler, Mo., to the other members of the firm, according to an announcement from headquarters of the firm in Oklahoma City. Included in the purchase is the entire herd of Layman Hereford Ranch and some 1,000 acres of deeded and leased land formerly owned

by Layman. Last year the Kavanaugh-Layman-Purdy partnership purchased the entire nationally famous herd of Dr. Chas. H. Harris, Fort Worth, Texas. Some 250 head were involved in the deal. Layman found that operating a construction business in Tulsa and a ranch in Missouri made it impossible to do justice to either, so he disposed of his Herefords. Al J. Kavanaugh and Joe Purdy are widely known in Hereford circles. Kavanaugh is a prominent Oklahoma City and Tulsa business man and Purdy, who operates a ranch in Missouri, is a nationally recognized judge of Hereford cattle and former manager of several well known Hereford establishments. His ranch in Missouri is included in the partnership. He will be general manager of operations of the firms both in Missouri and Oklahoma.

John W. Williamson & Sons, Montebello, Cal., has been given a purchase order to build a new livestock feeding plant at Fresno State College, Fresno, Cal. The plant, a push-button unit, will have the capacity to make feed for as many as 5000 head of cattle. However, the plant will be utilized to a great extent as a pilot plant for all phases of scientific animal feeding in conjunction with the regular curriculum of the school.

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Incentive Payments on Pulled Wool Explained

J. RICHARD STAUDER, extension wool marketing specialist at New Mexico A & M College, says the U. S. Department of Agriculture has clarified its policy on incentive payments on pulled wool. Payments for wool on lambs and yearlings sold for slaughter will be on a flat hundredweight per animal basis.

Stauder cites the following example as explanation: If the difference between the national average price received by producers and the 1955 incentive price of 62 cents per pound continues at 11 cents as at present, the payment rate for wool on animals would be 44 cents per hundredweight on the liveweight of lambs and yearlings with full wool pelts (80 per cent of the 11 cents difference between the average farm or ranch price and the incentive price multiplied by 5 pounds the average fleece weight established by USDA).

Pulled wool payments will be made to the man who owns the animals at the time of sale for slaughter, provided he has owned such animals at least 30 days. The 30-day clause is designed to eliminate the possibility of pulled wool payments to speculators. Producers must provide a certified statement that the animals they sold were for slaughter.

Prices paid original producers by feeders should reflect the increased value of lambs and yearlings that result from prospective payments for pulled wool. The objective of the provisions on pulled wool payments are to avoid unusual shearing before slaughter.

For the 1954 marketing year now coming to a close, support operations for shorn and pulled wool have been carried out through a loan operation. To place shorn or pulled wool under the current program, the wool must be offered for appraisal not later than Feb. 28, 1955. As of Oct. 31, 1954, loans had been made on 30,562,612 pounds of shorn wool and 631,250 pounds of pulled wool. No loans have been made on mohair. These loans mature on April 30, 1955. As of Dec. 31, 1954, the USDA had in inventory 100,293,023 pounds of shorn wool valued at approximately \$65 million and 9,960,751 pounds of pulled wool valued at approximately \$12.5 million acquired under the 1952 and 1953 wool price support programs.

Screwworm Fly Eradicated From West Indian Island

E RADICATION of the screwworm fly from the West Indian island of Curacao was announced recently by the U. S. Department of Agriculture. Eradication was accomplished by entomologists of USDA's Agricultural Research Service in cooperation with officials of the Netherlands West Indies. (See Operation Screwworm, The Cattleman, January 1955.)

Department officials hail this accomplishment as remarkable because: (1) It

proved the effectiveness of a new concept in insect control. (2) It sets the stage for a similar eradication effort against this insect pest of livestock in the southeastern United States.

Atomic energy and a knowledge of the biology of the screwworm fly were combined to wipe it out of Curacao. Female screwworm flies mate only once. Entomologists exploited this fact by saturating the wild population with thousands of laboratory-reared male flies, made sterile by exposure to gamma rays from radioactive cobalt supplied by the Oak Ridge (Tenn.) National Laboratory.

Although in the United States screwworms occur both in Florida and Texas, and each year move north into surrounding states, causing livestock losses

estimated at \$20 million, entomologists believe the Florida infestation can be handled in the same way as the one on Curacao—as an isolated infestation. Each winter, cold weather pushes the screwworm survival line deep into Florida. This, the entomologists believe, would be the time to strike.

Unfortunately, the Texas infestation presents a nearly impossible eradication problem, as the flies can move in from Mexico. However, the Gulf Coast climate and marshlands lying between Florida and Texas would prevent natural reinfestation of the Southeast from Texas, the entomologists say. Prior to about 1934, when infested cattle were shipped into Georgia and Florida from the West, no screwworms existed in the Southeast.

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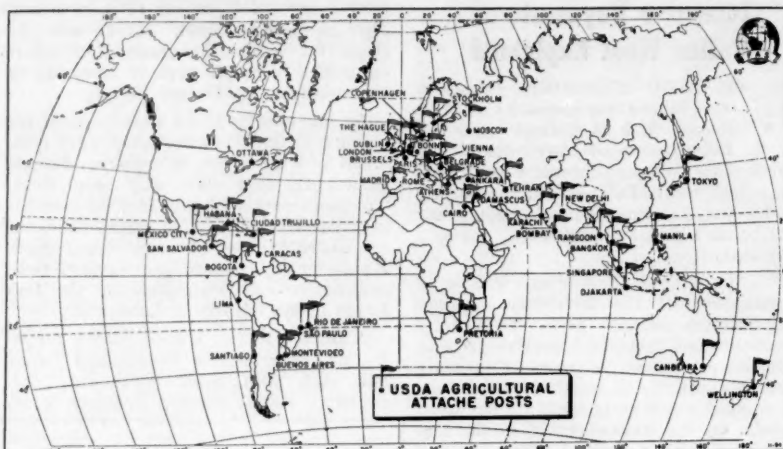
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Agricultural Attaches

U. S. Farmers' Representatives Abroad

By FRED J. ROSSITER,

Assistant Administrator, Foreign Service and Agricultural Analysis, FAS.

(Reprinted from Foreign Agriculture)

THE transfer of United States agricultural attaches from the Department of State to the Department of Agriculture has focused new attention and interest on the activities of the agricultural attache system overseas. The attaches—who long have served as the "eyes and ears" of our agriculture abroad—have assumed a new prominence. And many questions are being asked, such as these:

What are the duties of an agricultural attache?

What are his qualifications?

What are his opportunities?

The story of agricultural attache work abroad begins with the history of the agricultural attache system itself. These attaches were first officially established in the Department of Agriculture by an act of Congress in 1930, but were transferred to the Department of State by executive order in 1939. They now have been returned to the Department of Agriculture under a provision of the Agricultural Act of 1954, passed by the 83rd Congress.

In signing the act, the President stated that the attaches were being shifted to the Department of Agriculture "in order to sharpen the effort to find new world markets for our agricultural products." These words reflect the major emphasis now being placed on the activities of the attaches. And the shift enables them now to report directly to the Department of Agriculture, and to devote their full time to representing United States agriculture abroad.

What are the duties of an agricultural attache?

The attaches have always been this nation's chief suppliers of world agricultural "economic intelligence." The at-

tache at each post is required to submit regular reports on specified subjects on specified dates. These reports, together with special reports filed from time to time, deal with such subjects as marketing opportunities abroad, the foreign production of specific agricultural commodities that may compete with those of the United States, and estimates of export possibilities and import requirements in the country to which he is assigned.

Such information helps American agriculture to adjust, both in its production and in its marketing, to changing situations. The information also helps exporters to determine areas in which they may be able to develop markets and provides them with background data essential to their operations.

But emphasis today is being placed on another phase of attache activity—the one in which the attache seeks markets and market opportunities for United States agricultural products. The attaches assist in moving commodities into export by working with foreign governments with respect to trade barriers, by bringing together foreign importers and United States exporters under conditions favorable to trade, and by keeping in close touch with the reception of United States products by foreign consumers and suggesting improvements that may lead to increasing preference for and larger consumption of American farm commodities.

Equally important at the present time is the help that the attaches give in promoting the nation's foreign disposal program for farm commodities. Already agricultural attaches have actively assisted foreign governments to develop plans relating to Public Law 480, which provides

for the sale of surplus farm commodities for foreign currencies. Agreements being negotiated with the help of attaches may involve \$400 million worth of commodities in the first year of program operation.

There is one function, however, that agricultural attaches do not perform. Contrary to popular belief, attaches are not assigned to foreign countries to advise them on how to improve their agricultural research and practices. Where this type of work is carried out, it is done under technical assistance programs and personnel and is the main responsibility of another government agency.

The average attache may find that his time is divided roughly into three parts. He spends about one-third of his time in gathering information from trade contacts, government officials, and traveling in the country; one-third in preparing reports for transmission to Washington; and the other third in activities that vary a great deal according to the post, such as looking after agricultural visitors, servicing trade contacts, and representing the U. S. Department of Agriculture at various government functions. In addition he reports on new research developments, outbreak of animal diseases and plant pests, and other information of interest to the U. S. Department of Agriculture.

What are the qualifications of an agricultural attache?

Generally speaking, an attache should be the graduate of an agricultural college. In addition, he should have had several years of experience in agriculture, either in the Department of Agriculture, in farm organizations, in an agricultural college, in farming, as in an agricultural trade. Agricultural economic training is perhaps the most highly beneficial training of all since the work of an attache requires a great deal of economic analysis.

It is not required that an attache be able to write and speak foreign languages, though such accomplishments can be of considerable advantage.

To be a successful agricultural attache requires work, patience, and diplomacy every day. It requires taking time to read what is going on at home in the States and to engage in the give and take of social affairs. In this last connection, an attache's wife is important to his success. For it is more necessary abroad to become well acquainted with contacts than it is at home. It is necessary to develop and maintain social relations with trade and government contacts. And it is necessary to entertain important agricultural visitors.

What are the opportunities of an agricultural attache?

First of all, it is obvious that an attache has opportunity to meet interesting people and visit interesting places. Of all the incentives in agricultural attache work, this is perhaps the strongest. Attaches are assigned to all the capitals of the major countries of the world. And they are assigned also to many of the smaller countries which either import United States agricultural products or

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produce competing crops in significant quantities. In most countries the attache is part of the United States mission and serves as adviser to the chief of mission on agricultural matters.

Agricultural attaches generally are assigned abroad for a term of 2½ to 3 years. They may take home leave after completing a term abroad, and they also receive annual leave while serving at their foreign post. In the past, many attaches have spent extended periods abroad, returning to the United States only on home leave or between assignments. Under the new Agricultural Act, however, the Secretary of Agriculture is authorized not only to assign attaches abroad, but also to transfer them back again to serve within the Department. By having complete interchangeability between Department employees overseas and those in the United States, it is felt that the job in both can be done more effectively.

The salaries of agricultural attaches range, in general, from about \$8,300 to \$11,800 and those of assistant attaches from \$5,000 to \$10,000. A salary depends upon the qualifications of the individual and the responsibilities which he is assigned. In addition to the salary, the government pays quarters or rent allowances while the attache is abroad and also pays travel for the officer and his family to and from the post.

An expansion of the agricultural attache system is planned for the future. There are now 40 posts with 55 officers stationed in foreign countries. We hope to be able to expand this number to 55 posts staffed by 80 officers.

These facts, then, tell the story of agricultural attache work. The work is of vital importance to the success of American agriculture in maintaining and expanding its traditional markets abroad. And its prosperous home market with high volume exports of a few basic commodities only. We can logically expect this to hold for the future.

Horses Should Get Bot Treatment Now

VETERINARY medical authorities point out that winter is the best time to have horses treated for bot control, because the larvae are then concentrated in the horse's stomach, where they can be effectively reached by medication.

The treatment for bots also destroys many round worms, with the result that the horses should do much better on winter feed and be in better condition for spring work. If the bots are left to pursue their normal life cycle, they will mature and escape from the horse's body in the spring, to multiply and start a new cycle, veterinary officials add.

Bots are the winter stage of bot flies. They damage the animal's stomach, and may interfere with digestion.

In some localities farmers band together to have all horses and mules treated, thus freeing the neighborhood of the bot fly threat the following season.

Your Veterinarian Says . . .

About Cattle Lice

FOUR different kinds of lice are recognized as affecting cattle. Only one of these is a biting louse, the other three being sucking varieties. Two of the latter are the long-nosed "blue" lice, which are chiefly different only in size, while the other is the short-nosed "blue" louse. The biting louse is reddish in color, and much smaller than the other three types.

Infested animals show symptoms of irritation by rubbing and licking themselves, while stunting, loss of weight, and decreased milk production may also result. Thin and poorly fed young animals are those affected most severely, and infestation is worst during the winter months when the hair is longest and dirtiest. The parasites usually disappear when the hair is shed in the spring, not being seen again until late fall.

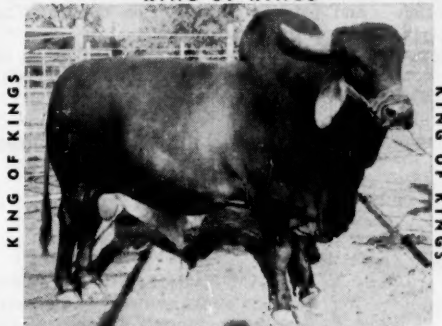
Lousiness can be definitely diagnosed by finding the lice or their eggs on cattle. However, these parasites may not be causing all the trouble, for mange and ringworm may also exist on lousy animals and so be responsible for some of the symptoms that are shown.

There are several effective treatments for lice on cattle, with the older ones like flowers of sulfur, rotenone dust, and lime-sulfur dip requiring several applications during a single winter. Newer ones like DDT, lindane, chlordane, and toxaphene need to be used only once or twice all winter. In liquid form these preparations are usually either sprayed on animals or applied to them with a brush. However, beef raisers often use them in "oilers" or "rubbers" so that animals treat themselves. Powdered preparations are dusted on liberally and then worked down into the hair by vigorous brushing. Although the newer drugs are both convenient and highly effective, many of them are forbidden for use on dairy animals, so owners are sometimes a trifle puzzled in regard to how they should control lice on their milk cows. These men may be interested in an experiment at the University of Wisconsin that demonstrated clipping hair as an effective way of controlling cattle lice.

The experiment compared twelve heifers that were clipped all over in the late fall, and then returned to run in a large pen with ten unclipped heifers of the same age. Two weeks later all of the unclipped heifers were found to be highly infested with lice, while the clipped animals were entirely free of the parasites. An examination 19 days later showed an increased number of lice on the unclipped heifers, while all but two of the clipped animals were still entirely free of lice. Thirty-nine days later most of the clipped heifers were still relatively free of lice, while the unclipped ones were heavily infested. At this time two of the clipped animals were re-clipped and two of the unclipped heifers were clipped for the first time. Three days later all four of these animals were shown to be completely free of lice. Although clipping didn't remove all of the lice with the

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We are using as Red Herd Bulls only RIO RED KING 144 and six of his Top Sons: CHEROKEE KING 40, CHEROKEE KING 41, CHEROKEE KING 44, CHEROKEE KING 71, CHEROKEE KING 72 and CHEROKEE KING 85. The 150 females in our Red Foundation Herd include 34 cows sired by GAUCHO and 25 cows sired by RIO NEGRO. All of our females are mated so that the MAXIMUM POSSIBLE BLOOD of all three imported Red Brahman Sires mentioned above will be transmitted to their progeny.

See our show herd at the Houston Show (Feb. 3-14) and the San Antonio Show (Feb. 18-27).

← The Realization of
Our Breeding Program is
Illustrated in This Calf
And His Pedigree

Cherokee King 44th ABBA 70471	Rio Red King 144	*Rio Negro 129 33876 (Of Brazilian Origin)	*Estrelo 6-287 (Imp.)
	Miss HP Gaucho 24	Madam Queen 128-5047	
Cherokee Princess 43rd	Rio Red King 144 ABBA 46225	*Gaucho 53-33871 (Imported)	*Estrelo 6-287 (Imp.)
	Miss HP Gaucho 42 ABBA 68614	Empress Cotulla 41 (Foundation Stock)	
		Rio Negro 129 ABBA 33876 (Of Brazilian Origin)	
		Madam Queen 128 ABBA 5047	
		*Gaucho 53 ABBA-33871 (Imported)	
		Empress La Salle 43d ABBA 19416 (Foundation Stock)	

CHEROKEE RANCH C. E. YOAKAM
Owner
(Ranch at Cherokee, San Saba County, Texas) P. O. Box 152—San Saba, Texas
RIO NEGRO—GAUCHO—ESTRELLA

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ALSO—Brahman-Angus Crossbred Bulls
One to Three Years Old

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PAZA

Simon Cornelius
Phone Bay City 2861
ABBA

The Cattleman—Subscription rates: One year, \$2; three years, \$5;
five years, \$8; foreign, one year, \$4.

short hair, the parasites weren't long in leaving afterward.

These results seem to indicate that clipping is a cheap and practical way of controlling cattle lice, and has the added advantage of making animals look better at the same time. Although all-over clipping in the winter may appear rather brutal at first thought, animals apparently aren't bothered at all if they're kept inside during extremely cold and stormy weather when they have no business outdoors, anyway. Clipping can evidently be done at any time during the winter for the purpose of delousing infested cattle, with reclipping probably being desirable in some cases. Everything considered, it is probably less dangerous than spraying or dipping animals with liquid solutions in cold weather, and likely to be a lot less bother than "dusting" with powdered preparations.

Range Responds to Fertilizer

RESearchers find that a little fertilizer can make the western range green with more grass, golden with more seed, and red with larger herds of beef cattle.

At Guthrie, Okla., beef gains were boosted 58 per cent (from 84 to 133 pounds per acre) by fertilizing the native grasses on cleared virgin brushland pasture, and 54 per cent (from 52 to 80 pounds per acre) by fertilizing eroded range that had been reseeded to native grasses.

Soil scientists H. A. Daniel of USDA

and H. M. Elwell of the Oklahoma experiment station carried out this cooperative experiment at Guthrie. They applied 300 pounds per acre of superphosphate drilled 4 inches deep, once every 3 years, and 33 pounds of nitrogen each May. Hereford steers were used to test gains and grazing capacity on the fertilized and unfertilized range.

Fertilizer increased seed yield 85 per cent on the debushed range plots after the grazing season.

Bull Brings \$40,500 at Sunbeam Farms Sale

SUMMARY

20 Bulls	\$ 96,950; Avg.	\$4,548
45 Females	80,950; Avg.	1,799
65 Head	171,900; Avg.	2,645

SUNBEAM FARMS Annual Achievement Sale of Aberdeen-Angus cattle was held January 24 at Miami, Okla. Prince Sunbeam E. 132d, a June, 1953 son of Prince Esquire of Sunbeam, proved to be the feature attraction as he sold to Morris Hitt, Landerberg, Pa. on a bid of \$40,500. This outstanding son of the great Prince Esquire of Sunbeam has been shown successfully and definitely looked the part of a herd bull prospect. Bringing the second top money for bulls of \$10,000 and selling to CT Ranch, Miami, Okla. was another son of Prince Esquire, Prince Sunbeam E. 136th. Selling to Sun Lake Ranch, Lutz, Fla. for \$7,000 was Prince Sunbeam 1050th, a January, 1954 son of Prince Sunbeam 819th.

The female sale was topped at \$13,000 when H & L Farms, Marlboro, N. J. bid that figure to get Barbarosa Sunbeam 47th, an October, 1953 Sunbeam Barbarosa daughter of Prince Esquire of Sunbeam. Another Sunbeam Barbarosa proved to be the second top selling female as Barbarosa Sunbeam 46th, a May, 1953 daughter of Prince Esquire, sold to Angus Valley Farms, Tulsa, Okla. on a bid of \$7,600. Selling to 77 Ranch, Wichita Falls, Texas for \$6,000 was another Sunbeam Barbarosa, Barbarosa Sunbeam 45th, a June, 1953 daughter of Prince Sunbeam 790th.

Auctioneers were Hamilton James and Ray Sims.

Southeastern Quarter Horse Men Elect Bob Corley

THE Southeastern Quarter Horse Association met in Hoytsville, Ala., recently and elected Bob Corley, Franklin, Tenn., president. Vernon Close, La Fayette, Ga., was elected vice president and W. O. Crawford, Marion, Ala., secretary-treasurer.

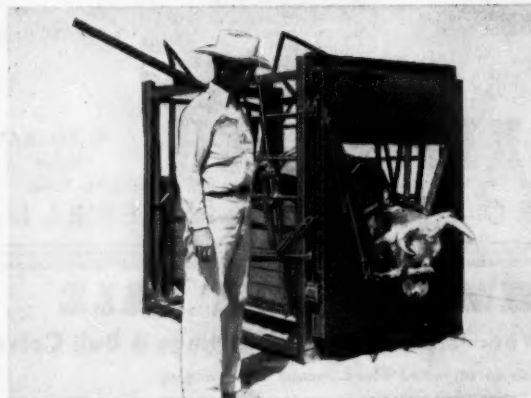
The following new directors were elected: Dr. Harry Guffee, Franklin, Tenn.; S. K. Johnston, Chattanooga, Tenn.; R. B. Caruthers, Paris, Tenn.; and B. C. Baker, Centerville, Tenn.

The association will hold its first show April 29-30 in conjunction with the Franklin Rotary Rodeo.

The brand is the cattleman's coat of arms. Is yours recorded?



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M R Beefmasters

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A FEW
YEARLING BULLS
For Sale and Service
Early in March

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MILLER RANCH
Fairfuries, Texas

Every animal in our herd is
a purebred **M R** Beefmaster

"Put them on pasture -
they'll do the rest"



Crow Poison, has pretty little star-shaped blossoms and onion-like leaves, and tubers that look like small onions—but this is a Poisonous plant.

Crow Poison

By JEWELL CASEY

The second of a series of articles published by *The Cattleman* intended to acquaint our readers with plants that are poisonous or that should be handled with care.

Crow Poison also known as Scentless Wild Onion, and False Garlic, is a fleshy bulbous herb with grass-like basal leaves. Atop leafless stems are clusters of small greenish-white flowers. The plants are similar in general appearance to the wild onion, but do not have the onion scent. The roots and leaves are not only poisonous to man, but to cattle as well. In several instances this plant has been mistaken for the edible wild onion and eaten with dire results. . .

Rice Farmer's Angus Sale

SUMMARY

2 Bulls	\$ 585; Avg.	\$293
48 Females	12,010; Avg.	250
50 Head	12,595; Avg.	252

THE Rice Farmer's New Year Sale was held at Beaumont, Texas Jan. 15 with the offering of 50 head of Aberdeen-Angus cattle going for an average of \$252. The cattle were consigned by R. Blake Mackan, China and J. Adriance Bordages of Beaumont.

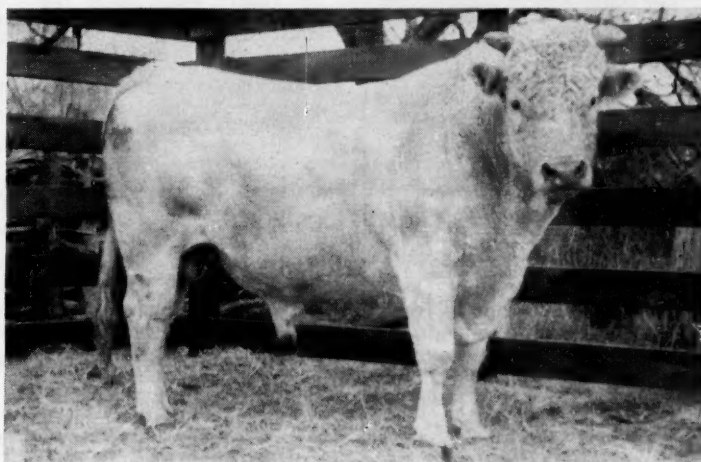
Top selling animal of the sale was Blackcap Bessie of Anoka 4, a March, 1946 daughter of Cesor's Blackbird Evador and out of Blackcap Bessie of Anoka 2d. She was consigned by Mackan and sold to William Clark of Houston on a bid of \$1,150. H. J. Yoakum of Hockley paid \$1,025 for another Mackan consignment, AQP Edella, a March, 1951 daughter of Alford's Quality Prince. Black Rose 12th of Sunbeam, a July, 1945 daughter of Black Prince of Sunbeam consigned by Mackan sold to Half Circle JD Ranch, Fort Worth, for \$510.

Ray Sims was the auctioneer.

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Jupiter 15/16 Charolaise Bull

Santa Anita Ranch No. 1, located in Hidalgo County, Texas, on FM Highway 1017, four miles west of the Linn railroad station. Mr. A. M. Brown, Ranch Foreman, Box 7, Linn, Texas.

Santa Anita Ranch No. 2, located in Fort Bend County, Texas, 17.6 miles south of Richmond, on FM Highway 762, east from this point 6 miles on gravel road. Mr. Leon Clayton, Ranch Foreman, Route 1, Needville, Texas.


Our Hidalgo County Ranch is specializing in the Charolaise animal. The Fort Bend County Ranch is specializing in the Charbray animal.

We have for sale excellent Charbray bulls of service age from proven blood lines. These bulls will produce for you a superior crop of calves with higher dressing percentages, ability to grow faster and fatten during hot periods, good rustlers, fast gainers on grass, good resistance to pests and parasites.

VISIT OUR RANCHES AND SELECT YOUR HERD SIRE. ONE OF THESE CAREFULLY BRED BULLS WILL UP-GRADE YOUR HERD FOR BETTER AND CHEAPER BEEF PRODUCTION.

... "AND THE RAINS CAME"

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Livestock Judging Program SAN ANTONIO LIVESTOCK EXPOSITION February 18-27

FRIDAY, FEBRUARY 18, 1955

8:30 a. m.—Sifting all Fat Steer Calves, Coliseum Arena.
8:30 a. m.—Sifting all Fat Lambs.
2:30 p. m.—Downtown Parade.
8:00 p. m.—Everett Colborn's World Championship Rodeo.

SATURDAY, FEBRUARY 19, 1955

7:00 a. m.—4-H and FFA Grass Judging Contest, Coliseum Arena.
8:00 a. m.—Sifting all other livestock entries.
8:00 a. m.—Judging Boys' Steer Calves, Auction Arena.
8:00 a. m.—Judging Boys' Fat Swine, Swine Arena.
8:30 a. m.—Judging Boys' Fat Lambs, Sheep Judging Arena.
10:00 a. m.—Rodeo Performance.
1:50 p. m.—Announce Awards, Grass Judging Contest, Coliseum Arena.
2:00 p. m.—Rodeo Performance.
2:00 p. m.—Judging Fat Lambs, Open Classes, Sheep Judging Arena.
8:00 p. m.—Rodeo Performance.

SUNDAY, FEBRUARY 20, 1955

9:00 a. m.—Judging or Arranging Sales Order for Breeding Cattle Sales.
2:00 p. m.—Judging Negro Boys' Pigs, Swine Arena.
2:00 p. m.—Rodeo Performance.
8:00 p. m.—Rodeo Performance.

MONDAY, FEBRUARY 21, 1955

8:00 a. m.—Judging Fat Steer Calves, open classes, Coliseum Arena.
8:00 a. m.—Judging Herefords, Coliseum Arena.
8:00 a. m.—Judging Angus, Coliseum Arena.
8:00 a. m.—Judging Shorthorns, Coliseum Arena.
8:00 a. m.—Judging Fat Swine, open classes, Swine Arena.
1:00 p. m.—Angus Breeding Cattle Sale, Cattle Sales Arena—followed by sale of Open Pens Groups of Angus Bulls.
2:00 p. m.—Judging Horses, Coliseum Arena.
8:00 p. m.—Rodeo Performance.
9:00 p. m.—Selecting Grand Champion Steer.

TUESDAY, FEBRUARY 22, 1955

8:00 a. m.—Judging Brahman, (ABBA), Coliseum Arena.
8:00 a. m.—Judging Herefords, Coliseum Arena.
8:00 a. m.—Judging Angus, Coliseum Arena.
8:00 a. m.—Judging Polled Herefords, Coliseum Arena.
8:00 a. m.—Judging Fine Wool Sheep, Sheep Arena.
12:30 p. m.—Hereford Breeding Cattle Sale, Cattle Sales Arena—Followed by sale of open pens groups Hereford Bulls.
1:00 p. m.—Judging Junior Rambouillet Show, Sheep Judging Arena.
2:00 p. m.—Rodeo Performance.
7:50 p. m.—Parade of Champions.
8:00 p. m.—Rodeo Performance.

WEDNESDAY, FEBRUARY 23, 1955

8:00 a. m.—Judging Brahman, (PAZA) Coliseum Arena.
8:00 a. m.—Judging Brangus, Coliseum Arena.
8:00 a. m.—Judging Santa Gertrudis, Coliseum Arena.
8:00 a. m.—Judging Milking Shorthorns, Coliseum Arena.
8:00 a. m.—Judging Columbia, Hampshire and Shropshire Sheep, Sheep Judging Arena.
8:00 a. m.—Judging Fine Wool Sheep, Sheep Arena.
1:00 p. m.—Polled Hereford Breeding Cattle Sale, Cattle Sales Arena.
7:50 p. m.—Parade of Champions.
8:00 p. m.—Rodeo Performance.

THURSDAY, FEBRUARY 24, 1955

8:00 a. m.—Judging Jerseys, Coliseum Arena.
8:00 a. m.—Judging Junior Dairy Show, Coliseum Arena.
8:00 a. m.—Judging Holsteins, Coliseum Arena.
8:00 a. m.—Judging Southdown and Suffolk Sheep, Sheep Arena.

1:30 p. m.—Auction Sale open pens groups Santa Gertrudis and Brahman Bulls.
1:30 p. m.—Judging Goats, Sheep Judging Arena.
7:50 p. m.—Parade of Champions.
8:00 p. m.—Rodeo Performance.

FRIDAY, FEBRUARY 25, 1955

9:00 a. m.—Auction Sale of Fat Steer Calves, Coliseum Arena.
1:00 p. m.—Auction Sale of Fat Lambs, Sheep Arena.
2:00 p. m.—Horses, Coliseum Arena.
3:00 p. m.—Auction Sale of Fat Swine, Swine Arena.
4:30 p. m.—Auction Sale of Negro Boys' Pigs, Swine Arena.
8:00 p. m.—Rodeo Performance.

SATURDAY, FEBRUARY 26, 1955

7:00 a. m.—Judging Horses.
2:00 p. m.—Rodeo Matinee.
8:00 p. m.—Rodeo Performance.

SUNDAY, FEBRUARY 27, 1955

7:00 a. m.—Judging Horses.
1:50 p. m.—Parade of Horse Show Champions.
2:00 p. m.—Rodeo Matinee.

Texas Beef Council January Progress Report

ORGANIZATION

1. Membership now approaching 1,500.
2. Second mailings to 9,500 commercial and purebred producers, 2,500 milk producers.
3. January organizational meetings held in: San Antonio, Victoria, Corpus Christi, Mount Pleasant, Waco, Edna, New Braunfels.
4. TBC program presentations made before: Coastal Cattle Raisers Association, East Texas Chamber of Commerce Directors, American Dairy Association, East Texas Bankers' Agricultural Conference, Texas Hereford Association.
5. Membership booths arranged at Fort Worth, Houston and San Antonio stock shows.

EDUCATION

1. Recipe service continues on schedule. High percentage use indicated by clips.
2. Famous Texans recipes series started.
3. "Beef Briefs," cattle news column, started, to all dailies and weeklies.
4. TBC program on Radio Station WOAI, San Antonio, pulls all-time high in mail listener requests for TBC recipe folders.
5. TBC cooperates in scheduling and publicizing appearances of USDA beef demonstrator in Dallas, Fort Worth, Houston, San Antonio, Amarillo.



Three In One Angus Sale

SUMMARY

7½ Bulls	\$ 8,425; Avg.	\$1,123
72 Females	72,395; Avg.	1,005
79½ Head	80,820; Avg.	1,013

THE three in one sale held jointly by Floyd Dievert, Lancaster, Kentucky; J. D. Huggins & Son, Bowling Green, Kentucky, and W. D. Fishback, Versailles, Kentucky, was held at Lexington on Jan. 22. The combined offering of 79½ head was sold for an average of \$1,013.

Topping the sale at \$3,850 was Enchantress 9th of Shadow Isle, an outstanding senior heifer calf by Prince Eric of Sunbeam. Gillfield Farm, Broken Arrow, Okla., was the buyer. Bringing the second top price for females of \$3,350 and going to Brays Island, Yemassee, S. C., was Chimera of Glen Airy 2d, a March, 1954, daughter of Bardolier of Airdrie. Selling to RD Ranch, Broken Arrow, Okla., for \$2,500 was H&L Gammer 17th, a June, 1953, daughter of Prince Sunbeam 706th. Also selling for \$2,500 to Doran Angus Farm, Murray, Ky., was Gammer Erona G. A., an April, 1953, daughter of Black Bardolier.

The 7½ bulls sold for an average of \$1,123 with the top price of \$3,800 being paid for a one-half interest in Prince Burgess of F. B., a July, 1953, son of Homeplace Eileenmere 210th. This very stylish, good quartered prospect sold to Houston Hall Farm, Nashville, Tenn.

Auctioneers were Hamilton James, Paul Good and George Kurtz.

Twin Beef Calves Wanted

RESearchers at the Agricultural Research Center at Beltsville want up to 12 pairs of identical-twin beef calves for a new series of feeding experiments to begin at the Center this spring. They must be less than 5 months old and available within 200 miles of Washington, D. C. Over the past five years the Beltsville researchers have used 27 pairs of identical-twin calves for research on beef cattle nutrition. The results of the earlier experiments are contained in USDA Technical Bulletin 1108. The USDA will buy twin calves on an offer-and-acceptance basis, depending on their suitability and the price asked by the owner.

Milk Production Up 2 Per Cent in '54

Latest estimates show that milk production in 1954 was 123.8 billion pounds, 2 per cent more than the record production of 1953. December, 1954, milk production totaled 8,833 million pounds, 1 per cent less than the 1953 record output, but the second highest for December in 31 years.

Year in and year out Americans historically spend relatively about the same percentage of their disposable income for meat—around 5 to 6 per cent. During the 1926-30 period, \$37.52 of the \$633 disposable income per person was spent for meat—or 5.9 per cent. Since 1950, of the average \$1,446 disposable income per person, \$81—or 5.6 per cent—was spent for meat.



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Profit in Breeding and/or Marketing Beef Cattle

Annual membership meeting: 8:30 A. M.
February 11, Rice Hotel, Houston, Texas

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For a really good one-man land clearing operation, that cuts and piles brush and timber you can't beat a Brush-Master—the machine that gives you a practical, economical and efficient operation. The Brush-Master cuts

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 Dallas, Texas, March 22-23, 1955

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BLOW-FLY REPELLENT; ANIMAL WOUND DRESSING
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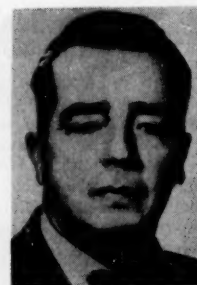
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Charollaise Judging Standards

(Editor's Note: The following information concerning the desirable characteristics of the Charollaise breed comes from Emile Maurice of Nevers, France who will help judge the show at Houston. Photographs are by Journal De La France Agricole and translation by Georges Choisy.)



Emile Maurice of Nevers, France, who will head judging of Charollaise and Charbray at the Houston Fat Stock Show.

THE first competitive showing of Charollaise and Charbray cattle in Texas will be held in connection with the Houston Fat Stock Show February 10. Both the Charollaise and the Charbray are relatively new to the beef cattle industry of the United States and their numbers have been limited due to the shortage of breeding stock.

The Charollaise is a breed of cattle developed in France, and imported into this country by way of Mexico. American breeders crossed the Charollaise with Brahman cattle and developed the Charbray, which has become popular in many parts of the country.

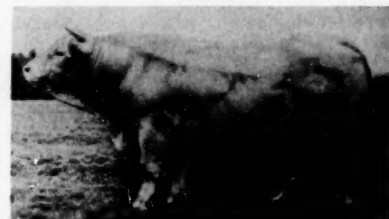
During recent years Charollaise and Charbray numbers have increased and it was decided to hold the first competitive classes in connection with the Houston Fat Stock Show.

In order to properly arrange adequate evaluation of the animals being presented in competition officials engaged the services of a team of judges, headed by Emile Maurice of Nevers, France, an expert on Charollaise who comes from the area in which the breed originated.

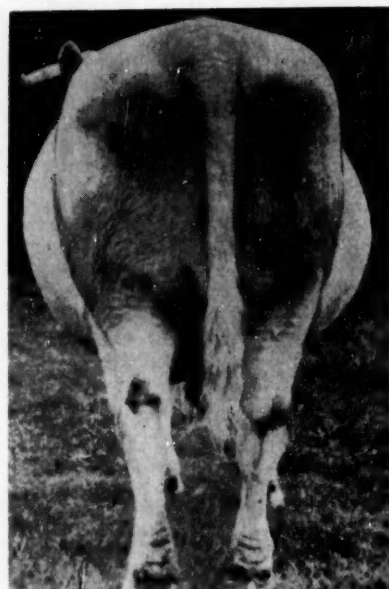
Certain standards of perfection have been established by the French in developing the Charollaise breed and the following illustrations and material describes in general what the judges will be looking for when picking the champions at the shows on February 10.

THE SCORE CARD

Head and horns.....	10
Neck, chest, depth through heart.....	15
Back and ribs.....	20
Buttocks	15
Legs, stance, gait.....	10
General growth, size.....	10
General harmony of form and attachment to tail.....	10
Fineness of skin and milk characteristics	10
	100



The coat should be white or cream colored. The figure as a whole should be smooth to the eye and have a perfect balance between all parts of the body with stout legs and faultless poise.



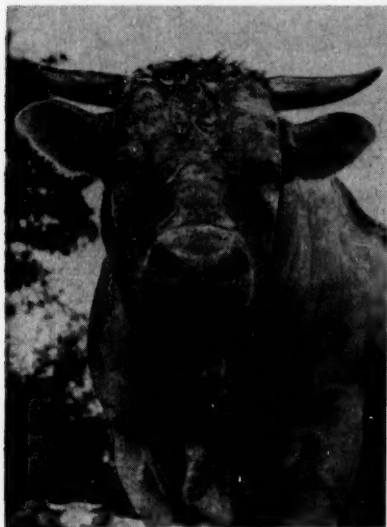
Good hindquarters with rump and buttocks widely rounded and lowered. Width between buttocks peaks is more important than in other breeds.

Seventy-Eighth Annual Convention

TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSOCIATION
Dallas, Texas, March 22-23, 1955



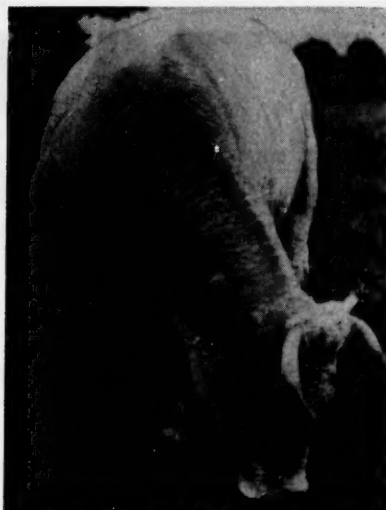
Very soft skin of medium thickness. This is in relationship to early maturity and the quality of the animal.



A good head that is short and wide with a flat brow and elongated horns. Ears should be medium thin, without too much hair. Eyes are large with strong jaws and wide nose. A long head is objectionable.



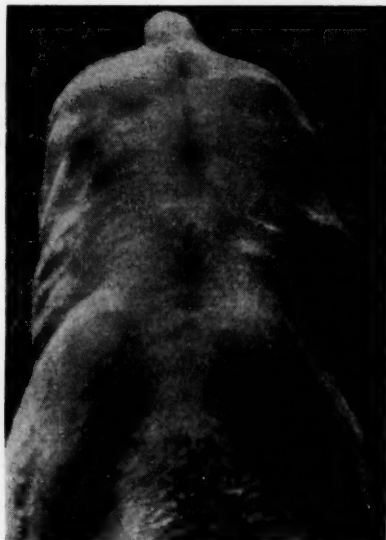
The underline should be parallel to the top line, a characteristic of a good beef cattle breed.



Good looking in front. Front legs and knees well apart.



A short neck without too much dewlap. Deep chest, round rib.



A good back that is horizontal and well muscled, wide and thick loins.

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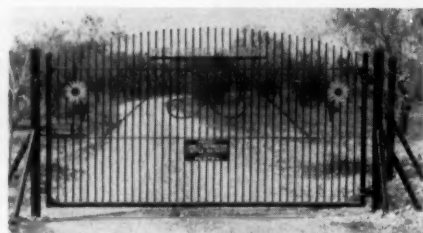
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**PUREBRED SANTA
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We have a limited number of certified purebred Santa Gertrudis cattle for sale at all times.

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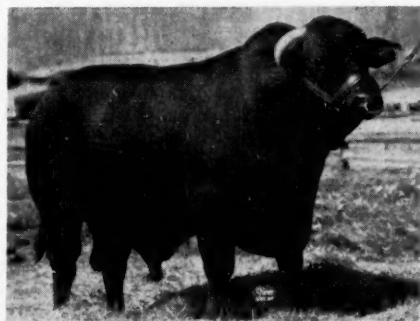
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"AMERICA'S FIRST
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5 MILES SOUTH
OF THE TRAFFIC
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VISIT THE
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SHOW WINDOW"

See *CRISP*



and his get



WACO, TEXAS, PHONES

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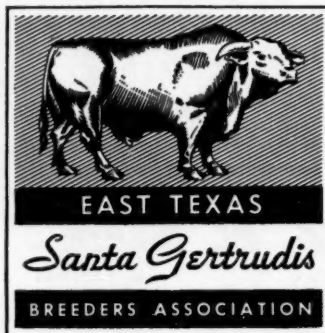


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for bigger profits **NEXT YEAR!**

Your selection of range bulls now will determine the value of your next calf crop. You want to produce and progressive buyers want to buy top quality, fast-gaining, healthy calves.

SANTA GERTRUDIS are recognized as the breed that adds more profit qualities to any calf crop and can make more money for you, too! For calves that weigh from 50 to 100 lbs. more at weaning time—buy Santa Gertrudis **NOW!**

The following members of this association cordially invite those persons interested in Santa Gertrudis cattle to visit any of their ranches.



Alexander, Clyde, Trinidad • Alexander, Edgar G., Kerens • Becker, George, Jr., Kaufman • Blue Bird Cattle Co., Wilmer • Bonham, Col. Roscoe, Killen • Butter, Leo, Longview • Butter, Stephen, Longview • Callan, W. W., Waco • Carter, Gus, Jr., Marshall • Cartwright, Matthew, Terrell • Cowart, Ray, Henderson • Crenshaw, F. O., Royce City • Erwin, Dr. J. C., Jr., McKinney • Estes, Carl, Longview • Fielder, Robert E. B., Van Alstyne • Graham, E. Hayle, Paris • Hight, G. Howell, Waxahachie • Jarrell, L. C., Henderson • Jenkins, Loyd, Fort Worth • Jones, Harry M., Mineola • Keith, L. R., Marshall • Kennemer, C. E., Jr., Dallas • King, Lloyd, Goldthwaite • Lester, Dan, Jefferson • Lide, David M., Jr., Dallas • Lilly, B. T., Sulphur Springs • Loftis, C. A., Longview • Majors, J. G., Winnsboro • Mayers, H. C., Crockett • Mayes, A. G. (Pat), Paris • Murchison, J. W., San Antonio • McNatt, Dr. Malcolm, Marshall • Olds, James E., Winnsboro • Pearce, Charles S., Corsicana • Pickett, Thomas Y., Dallas • Prendergast, George, Marshall • Puchett, J. J., Mineola • Smith, Eddie, Kerens • Smith, Eugene B., Jr., Dallas • Spence, Jack C., Grapeland • Stewart, Alvin A., Goldthwaite • Stovall, F. M. & L. R., Rust • Thomas, Cullen S., Dallas • Trippett, Harry, Waco • Vandaveer, R. L., Dallas • Wheatley, C. D., Trinidad • Whitaker, O. C., Fort Worth.

East Texas Santa Gertrudis Breeders Assn.

Chartered as an affiliate of the Santa Gertrudis Breeders International
Address Correspondence to George Becker, Jr., Sec.-Treas., Kaufman, Texas

Santa Gertrudis bulls, cows, heifers and calves for sale,
individually or my entire herd.

BEBY'S RANCH

• Chas. A. McCormick, Rt. 7, Box 156, Austin, Texas
• or P.O. Box 1156, Austin, Texas
• Phones: 8-4997 or 7-6182

Opportunities In Appetites

An Address by Jay Taylor, President, American National Cattlemen's Association Before Annual Convention in Reno, Nevada

THIS has been a most interesting year for me as your president. It has been a surprising year also. You have not only surprised me, but everyone else in the nation!

The determination of the cattlemen to use his hands, his wits and his heart to whip problems into shape is not new, of course. But no one would have believed that the cattlemen of the nation would meet their greatest challenge in such a splendid manner. You rejected price supports on your cattle and then went out and sold beef like it has never been sold before!

I'm proud of you—and so is the nation! Everywhere I go people say: "Those cowmen have certainly shown us how to do things for ourselves." And the cattlemen can take credit for stimulating a great deal of the revived interest in telling the agricultural story to the public.

But isn't it nice to have everyone, including President Eisenhower, helping us—particularly when that help is of the neighborly kind that Americans always give their fellow men when difficulties arise.

It's not hard to remember when only a short time ago everyone was cussing

us out. Or when people were advocating all kinds of beef substitutes. One thing we've learned—now that we've regained the respect and affection of the nation—is that we cannot relax our efforts to continue providing beef efficiently to everyone at prices they can afford to pay. We could get cussed out again! . . .

During the last year, I've visited nearly all of your states. You've been most helpful in trying to educate a Texas cowhand about your problems. And, through the various committees, we of the American National have tried to work with you in solving those problems.

Your national association—and all of the state associations—has had a good year. Much has been accomplished in many fields. Mentioning a few, I would say that the near-completion of the permanent headquarters building is visual evidence of the faith the cowmen hold in their future.

And all cattlemen's associations have built the prestige of the industry to a new high. We are now heard in circles where our voice was barely recognized in past years. Our city neighbors in our own

(Continued on Page 157)

**SHELTON'S
SANTA GERTRUDIS**
*herd family began 1931
program based on*

"QUALITY & SIZE"



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- **CERTIFIED BULLS**
of breeding age
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The Cattleman has the greatest circulation among ranchmen of any publication of its kind. If you are doing business with ranchmen advertise in The Cattleman. Write for advertising rates.

Announcing the DISPERSION OF THE L. O. JARRELL SANTA GERTRUDIS HERD

The family of the late L. O. Jarrell announces the complete dispersal of their herd of purebred Santa Gertrudis cattle. These cattle represent the herds of John Martin, Jack Maltsberger, Armstrong Ranch and A. B. Alexander. Many of the cows are bred to the outstanding bulls of the C. A. McDaniel Ranch at Uvalde, Texas, and were purchased at King Ranch auctions.

The cattle are for sale individually or as a group at

PRICES WORTHY OF YOUR CONSIDERATION

The offering consists of:

- 20—purebred classified cows, 3 to 6 years old with 6 calves on the ground.
- 6—1954 yearling heifers of exceptional quality.
- 4—1954 yearling bulls (2 herd bull prospects).
- 1—King Ranch running W bull, 20 mos. old, certified purebred with exceptionally good bone and dark color.
- 1—1953 bull yearling from the 1954 show string.
- 1—1953 heifer from last year's show string.
- 1—3-year-old herd bull—wt. 2000 lbs.—of John Martin breeding.

For Information Contact: Box 708 • Phone 2944 • Henderson, Texas

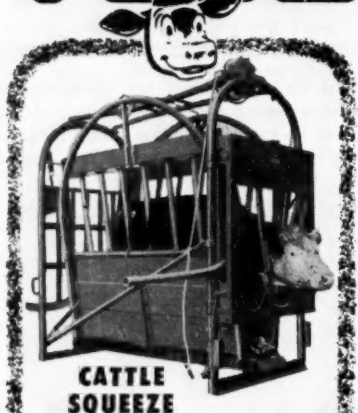
You Can Produce
**50 TO 100 POUNDS
MORE BEEF PER CALF**
BY FEEDING
REDCHAIN
MO-FAT CREEP FEED



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LEVEL PHENOTHIAZINE
FOR CONTROLLING
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The new, improved Teco Squeeze is the safest, fastest, most efficient ever designed. Completely portable, either on pick-up or on Teco's special easy-loading trailer. Patented triple-action headgate, closes quickly, locks automatically. Handy foot pedal release for neck lever.

Write today for full details and prices.

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The Cattleman is the most widely read publication of its kind in the country.

The Cattleman's Book Shelf



BURL IVES' TALES OF AMERICA, by Burl Ives; The World Publishing Company, Cleveland and New York, 1954. Price \$3.95.

Burl Ives, king of American ballad singers, has registered again with his remarkable new book, *Burl Ives' Tales of America*. The versatile Ives had already shown his writing talent in his best-selling autobiography, *Wayfaring Stranger*. This one deserves top billing, too.

Burl made his first public appearance as a singer of folk songs at a Fourth of July picnic when he was four years old. When he finished his second year at college, he packed up his guitar and headed for the country and for years sang for his supper in the country towns where he collected local tales, legends, lore, facts and whoppers that supplied the earthy material for his books and songs.

The author has traveled widely over America and the tales in this book are representative of the rich variety to be found in the American countryside. The one about Pocahontas is not the glamorous tidbit portrayed in American history books. He gives the realistic and semi-tragic details of that dramatic frontier historic event.

His chapter on Bigfoot Wallace of Texas is one of the best. Burl writes sympathetically of Wallace, makes a real hero of him, yet portrays him as a roistering, crusty, he-bear of a man that made a top hand as a Texas patriot.

Chapters on Bill Cody; The Lost Dutchman Mine in Arizona; The Comstock Mine in Nevada; Jean La Fitte; Captain Kidd; Mike Fink; and Paul Bunyan are given top treatment. Ives has a talent for making his readers live with his characters and like them, and that builds for cozy reading.—B. W. Allred.

E-S RANCH



QUANAH,
TEXAS

QUALITY COMMERCIAL HEREFORDS

Eugene B. Smith, Jr.
Owner

Ranch located in Hardeman County

FARMER'S SOCIAL SECURITY GUIDE, Publisher, Service Publishing Co., Inc., 210 Benedum Trees Bldg., Pittsburgh 22, Pa. Price 50 cents each.

The Farmer's Social Security Guide has been published by Service Publishing Company, 210 Benedum Trees Building, Pittsburgh 22, Pa. The Guide is a complete, yet concise, explanation of the many new Social Security benefits voted to farmers by the last session of the Congress.

Starting in January, 1955, over 3 million farm owners and operators will be eligible to receive Social Security coverage for the first time. Requirements for farm workers, meanwhile, have been re-defined and simplified in many instances.

The 28-page guide explains in simple language how all classes of farm personnel can secure the greatest possible income under the new law. Easy reference tables aid in computing benefits under all circumstances. Last-minute administrative rulings pertaining to the new farmer's benefits are inserted into the book before mailing.

THE LUCK OF LOST CANYON, By C. M. Blasingame; Publisher, Bell Publications. Price, \$2.75. Order direct from author, Star Route 2, Avenal, California.

This is the story of a young girl living on a big ranch in the West. When stormy trouble beset her, and the ranch folks, it is her love for the fleet Steel Dust ranch horses, her faith in their stout-hearted courage and ability plus the secret knowledge of the Lost Canyon, that sweeps away the dark clouds. There is a splendid description of the far-reaches of the wild mountain ranching country.

The author, Mrs. Clara M. Blasingame, is well qualified to present a story like "The Luck of Lost Canyon." She has lived on ranches throughout the West all her life, and for many years has been interested in Quarter Horses and all kinds of ranch stock work. She grew up on a ranch in South Dakota and married the top bronc rider of the region, a cowboy originally from Texas. They raised their family of a girl and two boys on a ranch on the Little Moreau river.

Some years ago the Blasingames moved to northern California and the Dixie Valley Ranch. The ranch is in the foothills between Mount Lassen and Modoc National Forest. It is rough mountain grazing country with timber, streams, wildlife and vast hay meadows in the valleys. It was while they were at

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Feeder Calves, Stocker Herefords**

Ranches located in Nolan, Kent and
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FOR QUALITY COMMERCIAL CATTLE contact any of the ranches listed on this page. All of these ranches maintain membership in the Texas and Southwestern Cattle Raisers Association. Stray cattle or cattle of questionable ownership bearing brands shown should be reported to this Association. Advertising service in this section is available to members of this Association. Write: The Cattleman, 410 E. Weatherford, Fort Worth, Texas.

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- A reversible tipping calf table for small or large calves to 450 lbs. Fully accessible for any operation.
- Built strong for lasting endurance—designed to tip either way with ease. Engineered in a livestock country to cut your costs.
- Price \$180.00—Freight Prepaid Anywhere west of the Mississippi.

Write for details regarding prices and freight allowances on our "Powder River" Squeeze Chutes & Trimming Stocks.

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Save 60c to 80c per 100 lbs. Mix your own cattle, hog and poultry feeds. Mixes a perfect blend in 10 minutes. 5 sizes—700 to 4,000 lbs. Made of heavy steel, electrically welded. Sold on 30-day trial guarantee. Write for catalog and low prices. Distributed by

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World's Largest Selling Mixer!

DOMINO RETURN HEREFORD BREEDING Specialize in Choice Range Bulls **WINSTON BROS.** SNYDER, TEXAS

The Cattleman is the most widely read publication of its kind in the country.

this ranch that the idea of the "Luck of Lost Canyon" grew. While it is fiction, the story contains a good deal of the pattern of ranch life that Mrs. Blasingame knew there—cowboys, horses, cattle, Indians, Indian legends, good people and bad, good times and bad—but mostly the fun and adventure of a rich everyday life in the "wide open" spaces.

HOUSE OF THE RANCHER. By May Neatherlin; Publisher, The Naylor Co., P.O. Box 1838, San Antonio 6, Texas. Price, \$3.00.

This is the story of a young couple's struggle to hold and maintain a ranch in the foothills of the Sacramento Mountains of southeastern New Mexico. The author has given an accurate cross-section of ranch life in New Mexico in the third decade of the Twentieth Century. What she has written applies to all ranching in almost all ranch areas.

The girl was Betty, the man, her husband, John Carlton. The book tells of their struggle against drouth, low prices, a mortgage on their cattle and the government's land policy which caused a painful time in reaching the day of established boundry lines, all of which were productive of experiences.

Two things kept them going. One, for the main, was a born instinct for stock raising. The other, for both, was a quiet and deep love that strengthened on hardship and flourished on the few and brief moments they could give to it.

They never had a honeymoon but their love shines through the book and with the ranch they themselves built brought them happiness and contentment. It is all there—the hard work, the humor, the parade of characters who came to the door of their remote ranch house, the angry tempers, the neighborliness, the disappointments, the goodness and the rewards of accomplishment by physical effort and dogged perseverance. This is not a tale of blazing six guns and cattle rustlers and highly colored romantic episodes, but the story of everyday ranch life.

Mrs. Neatherlin writes with frankness and great clarity and, as she acknowledges, "with some complaint, but also, I like to think, with some understanding."

This book is of exceptional appeal and a tribute to all the men who ranch and the wives who share their tasks and their lives. Everybody who ever lived on a ranch—or who ever dreamed of living on one—will want to read and delight in "House of the Rancher."

OF LAND, WATER AND GROWING CROPS. Released by Caterpillar Tractor Company, Peoria, Ill.

A new, eight-page booklet, entitled, "Of Land, Water and Growing Crops," has recently been published by Caterpillar Tractor Co., Peoria, Ill. Within its pages are discussed the machines needed for irrigation and how Caterpillar track-type tractors and Caterpillar Diesel engines provide steady, dependable power for a great number of satisfied Caterpillar owners.

In an interesting pictorial review, the

two-color booklet illustrates the different irrigation jobs that are being done each day by Caterpillar machines. A number of photographs show Caterpillar track-type tractors checking rice fields, damming creeks for water storage, leveling land, cutting water channels and powering pumps. In other scenes, the Caterpillar Diesel engines pump water to feed crops. Two charts list the horsepower ratings of the different Caterpillar track-type tractors and Caterpillar Diesel engines available to the farmer for irrigation work.

The new booklet, "Of Land, Water and Growing Crops," is available from any Caterpillar Dealer or may be ordered from Caterpillar Tractor Co., Peoria, Ill. Ask for Form No. DE501.

The Praying Mantis

By JEWELL CASEY

The third of a series of articles dealing with insects.

PERHAPS no insect is the object of more superstitious beliefs than the praying mantis, also known as Devil's Horse, Rear Horse and Soothsayer.

This is a very unusual insect, the only one that can turn its head from side to side; the female eats the male soon after mating and soon after laying her eggs, dies. Perfectly harmless to man, but death and destruction to such insect pests as chinch bugs, grasshoppers, leaf worms, flies, mosquitoes, plant lice, etc., the mantis should never be killed, but always protected.



Praying Mantis — females, grotesque looking, but harmless and interesting to have on flowers and sure to destroy many pests . . . Casey Photo.

SOUTHWESTERN SHORTHORN BREEDERS ASSOCIATION

AUSTIN SALE

MARCH 1st • AUSTIN, TEXAS

City Coliseum • 2:00 P.M.

OFFERING 16 BULLS ★ 14 FEMALES



The oldest and greatest improver of beef cattle in the world. Calves from Shorthorn bulls crossed with ANY breed of cattle will weigh more at any given age, feed better than any cattle and make more money for the cowman than any of the other breeds.

The honeymoon is over, from now on it will take the better

class of cattle to make money. With these things in mind a man cannot afford to miss the extra pounds from Shorthorn calves. And don't forget the packer knows SHORT-HORN calves dress higher with less waste, consequently more money per pound. What a combination—more pounds of beef at a higher price per pound.

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FACTORS AFFECTING LIVESTOCK INVESTMENT TRENDS

By JOHN W. STEPHENS

NOTE TO THE READER: The information on this page is assembled and written about the 20th of each month nearly two weeks before you read it. This is necessary in order to meet the publication date. Frequently it is necessary for the author to make estimates of coming events. Sources of information and reasons for statements will be furnished on request. Address your inquiries to *The Cattleman*.

The statements on this page are solely the opinions and views of Mr. Stephens and in no way reflect the views of the editorial staff of *The Cattleman*. Mr. Stephens is an investment counsellor and you may address any inquiries to him in care of *The Cattleman*. If you have any suggestions for information that you think should be on this page send your recommendation to the editor.—The Editor.

TRENDS:

Farm Products: On the average production of livestock and livestock products has increased about 2½% annually, while that of all crops has increased at an annual rate of only 1%. Emphasis should be placed on the production of meat animals and less on products already in surplus supply because it will prove more profitable in the long run.

Parity Ratio: Remains unchanged at 86 but odds favor a lower ratio during the coming months because there is no indication of lower prices on things that farmers buy.

Cost of living: declined to 114.3 due to marketings of surplus processed food items at lower competitive retail prices. Probably should average about 115 for the current year.

Retail Food Prices: Heavy Marketings of processed foods have been made to clear storage space for the coming harvest, with temporary lower prices.

Industrial Production: Should remain at current levels for the next 4 months. Later labor disputes and negotiations will slow up present production output.

Spendable Income: Probably will show a gradual rise due to increased industrial production and thereby continue a strong demand for consumer goods and food items.

Favorable:

1. State and Government spending will probably continue at the same rate as last year.
2. Eggs in incubators in January were 25% below last year and that means a reduction in broiler supply this spring.
3. Foreign Operations Administration has estimated that of the export market value 43% will be grains, 28% cotton, tobacco 14% and other commodities 7%. This is the amount of money to be spent on items exported and in which foreign currencies will be accepted in payment.
4. A good part of distress cattle herds have been marketed as reflected by the recent slow down in rate of slaughter.

UNFAVORABLE:

1. Increased supply of pork, probably 15% more than last year, at lower prices this spring and also this fall will increase supply of red meat at lower prices in competition with beef.
2. Current Federal Reserve decisions indicate that the supply of money for feeding operations will be tighter this fall than last year, thereby increasing the spread between feeder and slaughter market prices.
3. Current output in agriculture is higher than the requirements of a peacetime economy. Unless export demand increases substantially the rate of expansion of the past 20 years cannot be maintained.
4. Interest rates will go higher. Make your credit arrangements now for this fall.

COMMENT:

Every investor in cattle should read the article entitled "Observations on the Cattle Cycle" by Harold F. Breimyer in the January 1955 issue of *Agricultural Economics Research*. You can obtain a copy from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. The cost is 20 cents.

Livestock Markets Review

Price Range at Fort Worth, Houston, San Antonio and New Orleans During Past Month

FORT WORTH Strong to higher prices and rather light receipts prevailed on most classes of livestock during January. Cattle receipts during the first three weeks of the month showed slightly reduced numbers compared with a year ago and calf receipts were slightly larger. Hog receipts this month were nearly double a year ago and offerings in the sheep yards show a drop of about 6,000 head compared with last year.

Cattle supplies this month included not more than 15 per cent cows. Fed cattle predominated, these largely yearlings. Recent sales in the cattle yards compared with a month ago show good and choice slaughter steers and yearlings \$1.00 higher. Utility and commercial steers were steady to \$1.00 higher, and heifers show a similar upturn. Cows were fully \$1.00 higher and bulls \$1.00-2.00 higher. Fat calves were 50c-\$1.00 higher than a month ago. Stocker and feeder cattle and calves were \$1.00-2.00 higher.

Most of the good and choice beef steers turned recently from \$20.00-24.00. Some choice yearlings sold to \$24.50 with a load or two to \$25.50 and club yearlings to \$27.50. Utility and commercial steers and yearlings cleared from \$13.00-19.00. Good and choice heifers cashed from \$19.00-23.00, with utility and commercial \$11.00-18.00.

Commercial cows crossed the scales mostly from \$12.00-12.50, few around mid-January at \$13.00. Utility cows bulked from \$10.00-11.50 and most canners and cutters from \$7.00-9.50, shelly cows down to \$6.00 and less. Commercial bulls turned largely from \$13.50-14.00, with cutter and utility \$10.00-11.50. Some canner bulls under \$10.00. Earlier in the month some bulls sold up to \$14.50 and one at \$15.00.

Good and choice slaughter calves are selling from \$16.00-20.00, some heavy calves to \$21.00. Utility and commercial calves ranged from \$12.00-16.00 and culls around \$10.00.

Medium and good stocker and feeder steers and yearlings moved mostly from \$14.00-20.00, with one-truck lots to \$21.50. Medium and good stocker steer calves moved from \$14.00-20.00, a few choice lots \$21.00 and \$21.50. Heifer calves sold mostly from \$17.00 down, a few to \$18.00. Stocker cows turned from \$10.00-11.50.

Butcher hogs sold recently \$1.00 lower than a month ago and sows steady to 50c higher. Choice butchers topped at \$19.00 during the first and third week of January, but most good and choice 190-240 lbs. sold recently at \$18.00, a few \$18.25. Heavier and lighter weights ranged from \$16.00 to \$11.75, and sows from \$13.00-15.50.

Most offerings in the sheep yards this month were old crop lambs, largely shorn slaughter offerings. Recent sales of slaughter lambs were 50c-\$1.00 higher than a month ago and feeder lambs were \$3.00 higher. Good and choice wooled slaughter lambs sold recently from \$19.00-20.00, with club lambs to \$21.00. Good and choice shorn slaughter lambs turned from \$18.00-19.50, with fall shorn to \$20.00. Cull and utility slaughter lambs sold from \$11.00-17.00. A few good fat yearlings cashed from \$15.00-16.00 and aged wethers from \$10.00-12.00. Cull to good slaughter ewes turned from \$5.50-7.00. Medium and good feeder lambs moved from \$16.00-19.25, including fleshy shorn feeders at \$18.50.

SAN ANTONIO General price upturns on all classes marked cattle trading during the first month of the new year, in comparison with prices paid at the close of the preceding month. Slaughter steers and yearlings were 50-75c higher, slaughter cows were 75c-\$1.00 up, bulls and slaughter calves showed gains of 50-75c and stocker calves were 75c-\$1.00 higher.

Loadlots good and choice fed steers and heifers turned at \$21.00 with loadlots high commercial and good 600-850-

lb. fed cattle rating \$18.00-20.50. A spread of \$16.00-17.50 took commercial and low good lightweights. Loadlots cutter and utility strongweight aged steers cashed at \$12.50-13.00.

Bulk of high utility and commercial cows moved at \$12.00-13.00, a few to \$13.50. Utility cows bulked at \$10.50-11.75, with canners and cutters moving in a spread of \$7.00-10.50. Mediumweight and heavy commercial bulls scored \$13.00-14.00, with the major share of the offerings being cutter and utility at \$11.00-12.50.

A range of \$18.00-19.50 took most of the good and choice slaughter calves. Commercial and good predominated in the offerings and sold in a spread of \$15.00-18.00. Utility and commercial calves earned \$12.00-15.00.

Featuring the stocker trade was a two-load consignment of choice 587-lb. short yearling feeders at \$18.75. Bulk of the medium and good yearlings turned at \$16.00-17.50. Bulk common and medium yearlings rated \$13.00-15.50. Good and choice stock steer calves changed hands at \$17.00-18.50, while a spread of \$15.00-16.50 took numerous lots medium cross-bred calves. Medium to mostly good young stocker cows sold up to \$11.75, the bulk moving at \$8.00-10.50.

During the period hog prices for good and choice barrows and gilts ranged from \$17.50-18.50. These prices were paid for offerings scaling 175-265 lbs. Choice sows 330 lbs. down topped at \$16.00, bulk 350-450-lb. weights from \$15.00-15.50 and heavier weights down to \$14.00. Good and choice feeder pigs rated \$16.00-17.25.

In the sheep division, a few choice fall and summer shorn lambs rated \$19.00, while good and choice shorn lambs carrying fall shorn to No. 3 pelts ranged \$18.00-18.50. Utility and good shorn yearlings and twos cashed at \$13.25 and choice aged wethers up to \$12.50. Good aged shorn wethers took \$10.00-10.50. Bulk cull to good slaughter ewes rated

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\$4.00-6.00. Good and choice woolled stocker and feeder lambs, largely 60-80-lb. weights, earned \$16.50-17.00, while bulk of medium and good shorn kinds 60-85 lbs. went in a spread of \$14.00-16.00.

Medium and good shorn Angoras and Spanish type goats sold mostly at \$5.00-6.50, cull and common at \$4.00-5.00. Good strongweight slaughter kids sold up to \$5.25 per head, the bulk in a range of \$4.00-5.00 per head. A load medium to mostly good shorn Angora stock goats went on country account at \$5.20 per head.

HOUSTON Trading was generally fairly active for the supply of grown cattle offered at the Port City Stockyards during the last month. The receipts were not large and the demand was rather broad for slaughter cows and bulls, these two classes making up the bulk of the supply. The total salable receipts for the month amounted to about 4000 cattle, approximately 2500 less than the previous month's receipts, but about 650 head more than the corresponding week of last year. Prices for practically all represented classes improved during the month, slaughter yearlings advanced \$1.00, slaughter cows were fully \$1.00 higher and bulls were \$1.00-2.00 over last month's close. Most stocker classes advanced \$1.00. A few lots of choice yearlings came in sold-on-arrival at \$22.50-23.50, commercial and good grades ranged from \$16.00-20.00. Utility and commercial cows claimed from \$9.00-12.00 during the greater part of the month, with canners and cutters from \$7.00-9.00 and hard shelly cows down to \$6.00. Several high-dressing commercial bulls sold up to \$15.00, cutter and utility closing from \$12.00-14.00, some sales a bit higher at mid-month.

Good stocker steer yearlings cashed from \$16.00-17.25 with medium kind from \$13.00-15.00. Medium stocker heifers went from \$12.00-13.00 and common and medium stocker cows from \$8.00-11.00.

In the calf division, the demand was broadest for commercial and low good slaughter grades, other grades and classes proving a bit harder to sell at times, but prices for all slaughter grades advanced about \$1.50 during the reporting period and stocker calves brought \$1.00-2.00 higher rates. Calf receipts for the month amounted to about 12,000 head, approximately 9000 less than the previous month and 1000 head under the same period of last year. Closing prices include good and choice slaughter calves from \$17.00-20.00, utility and commercial from \$13.00-17.00 and cull from \$10.00-12.00. Good stocker steer calves went from \$16.00-18.00, heifer calves from \$14.00-16.00. Common and medium crossbred and mixed breeds sold from \$12.00-14.50, most sales made with little regard to sex.

NEW ORLEANS Receipts on the New Orleans Stock Yards, Inc., for the period under review approximated those for the same month last year. Offerings, as a whole, were in the medium to off classes, with a scarcity of the better kinds.

General trading for the month was fairly active, with the exception of the holiday week, when trading was normally slow. The market trend was on the steady side with some showing of strength and increase during the latter part of the period. As a whole the market was from \$1 to \$2 higher over last month.

With brisk demand centering on the good to choice calves, this kind were strong all during the month. Heavier

kinds suffered somewhat toward the end of the month, but as a whole were fairly steady. Cows started firm, fluctuated somewhat, but levelled off to steady. Bulls were more or less unchanged during the period.

Inasmuch as lighter calves are in light supply and there appears an increase in heavier kinds from the feed lots, indications are for a continued active to steady market on calves for the coming period, with a probability of calves weighing under 400 lbs. going higher.

Good and choice calves sold from \$18-\$20; commercials \$14 to \$17; utilities from \$11-\$13.50 and culls \$7-\$10.

Commercial cows brought \$12-\$13.50; utilities \$10-\$11.50; cutters \$8-\$9.50 and canners \$6.50-\$8.

Best bulls sold from \$13-13.50; utilities \$11-\$12 and canners and cutters \$9-\$10.

Good to choice slaughter steers and heifers sold from \$23-\$25; commercials \$15-\$17 and utilities \$12-\$14.

Good stocker steers brought \$15-\$17 and common and medium \$12-14 with stocker heifers ranging from \$8-\$12.

Hog market during the month was active and steady with Good and choice hogs, 180-220 lbs., bringing around \$17; good, 230-250 lbs, \$15 to \$16.50; good, 160-180 lbs, \$15.50-\$16.50; good butcher pigs \$14 to \$15.50; good packer sows, 400 lbs. up, \$14 down; good packer sows, 400 lbs. down, \$14-\$15; and good bred feeder pigs \$17-\$18 with all others in proportion.

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Range News of the Southwest



Texas

Dry range and pasture feed dwindled further over much of the state during December. Generally mild, open weather until after Christmas, however, permitted full use of dry range and browse that was available and stretching of necessary supplement roughage and cake. Hay and roughage supplies were short in practically all except irrigated areas. In the northern Blacklands and eastern counties small grains and winter legumes were supplying fair to good feed. Stalk fields in the northwest were generally eaten out and dryland wheat was supplying very little grazing. Snow in parts of the Low Rolling Plains may bring on some early spring wheat pasture, but above the Cap Rock only light snow was received which drifted badly in the high wind. Soaking rains are needed in all areas. All range feed was reported at 61 per cent condition on January 1. This is the lowest of record for this season of the year except January, 1935. Reported condition a month ago was 64 per cent, and the 10-year average is 73 per cent. Over the January 8-9 week end, much of the state received some rain, snow or sleet. Rains of one-half inch or more generally covered High Plains counties from Amarillo southward and most of the state from Abilene through Uvalde eastward. Snow covered much of the western Cross Timbers, Low Rolling Plains, southern High Plains and parts of the Trans-Pecos.

Cattle and calves were showing considerable shrinkage even though supplemental feeding has steadily been increasing over the state to offset dwindling range and pasture feed reserves. Many ranchmen, however, are feeding only minimum requirements to get through the winter, hoping for rain and spring grass to pull them out of a tight financial situation. Some cows and stockers are thin, but with the mild open weather losses have been light. All cattle were reported at 73 per cent condition on January 1, compared with 74 per cent a

month previous and the 10-year January 1 average of 78 per cent.

Ewes and carryover lambs over the eastern two-thirds of the Plateau, even with regular supplemental feeding, were wintering in only fair condition. Ranges in most of that country are bare of feed and practically no small grain pasture was available. On the west side of the Plateau, dry grass produced by the summer rains was about gone and supplemental feeding was starting. Soaking rain is urgently needed to bring on winter grass, weeds and small grain pasture over the entire sheep country.

Western Ranges

Range feed condition in the West at 69 per cent on January 1 compares with 71 per cent a month previous and 72 per cent a year ago. This is the fourth year with range feed conditions below average. Supplemental feeding of livestock continued in dry areas. It was generally possible to conserve feeds by grazing. Early January storms were largely local, with snow cover limited to small areas for a short time. Grazing conditions are good in Montana, the Dakotas and Nebraska with ample hay and feeds. Wyoming's drouth forced range feed to the lowest point since January 1, 1935, with heavy supplemental feeding. Eastern Colorado and western Kansas have poor range and pasture feed. Oklahoma has the lowest January 1 range feed condition of record, with some moisture in the east from late storms and severe drouth in the west. Texas has little old range feed and the lowest January 1 range feed condition since 1935. East Texas has fair feed with little grazing in the west. New Mexico has dry, short range feed conditions. Western Colorado has fair to good winter grazing. Arizona has good grass, with rain needed. California has ample moisture to make good grazing with warm weather. Wheat pastures in Kansas, Oklahoma, northwest Texas and eastern Colorado have provided limited grazing and are about exhausted. Sorghum fields

have provided considerable grazing in Kansas, Oklahoma and Texas.

Cattle are generally wintering in good condition, except for local areas in the dry sections of the central and southern Great Plains, the Southwest, and Nevada. Cattle and calves in the dry areas have been maintained by supplemental feeding. Some shrinkage is reported in parts of Texas and other local drouth areas. Mild, open weather was generally favorable for cattle and calves, with little damage from early January storms. Marketings of cattle and calves were fairly heavy during December, 1954, with a rather heavy movement from western Kansas and a smaller run than a year earlier from the Southwest. There has been a fairly strong demand for feeder and stocker cattle and calves.

Sheep and lambs are wintering in generally good condition in the northern states, with below average condition reported in Wyoming, Utah and Nevada. Texas sheep are in fair condition, with heavy feeding in the eastern parts of the sheep section and increasing in the west. Wheat field pasturing of lambs has been on a limited scale in Kansas, Oklahoma and Texas. Early lambs are doing well in Arizona and California.

Cattle Sales and Prices

Where sex is not given on sale, excepting calves, the reference is to steers. As "The Cattlemen" goes to press several days before date of release, range conditions may have changed since these reports were made.

AMARILLO

S. Weisbart, California and Colorado, bought 42 heifer yearlings from Howard Boyd, Dumas; 100 heifer yearlings from C. F. Augustine, Texhoma, Okla.; 77 heifer yearlings from Emmett McBride, Stratford; 144 heifer yearlings and 285 steers from David McBride, Kerriek; and shipped 3308 steers and heifers and 1297 steers to Brush, Colo.

Fred Hill, Greeley, Colo., bought 328 steers from J. D. Armend, Dumas; 72 heifer yearlings from Carl Beauchamp,

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HOGS AND SHEEP

Robert Jones

Dumas; 100 steer yearlings from O. G. Hill, Sr., Hereford; and sold 89 steer yearlings to Lester Prawitz, Stanton, Nebr.

Guy Flynt, Colorado, bought 450 heifer yearlings from Cecil Guseman, Hereford; and 179 heifer yearlings from Guseman & Bomar, Hereford.

O. G. Hill Bros., Dumas, sold 98 steer yearlings to Allen Dawson, Iowa; 230 steer yearlings to Durad Cluck, Gruver; and 247 heifer and steer yearlings to Cluck & Holt, Gruver.

W. S. Cline Cattle Co., Stratford, sold 703 steers to Fred Kluck, Richland, Nebr.; and bought 44 steer yearlings from Ben Cockrell, Dumas.

Bob Mayer & Co., Denver, bought 509 steer yearlings from Jimmie Milman, Stratford; 80 heifer yearlings from George Burnett, Dumas; 70 steer yearlings and 87 heifer calves from Web Wharton, Stratford; and 49 from Pete Taylor, Kerrick; 120 steers from Roy Bergman, Dumas.

Tom Boyd, Hereford, sold 102 heifer yearlings to Charles Cozzens, Lucerne, Colo.; and bought 70 heifer and steer yearlings from Babe Burris, Hereford.

O. C. Payne, Missouri, bought 79 steer and heifer yearlings from Hawn Briscoe Co., Hereford.

Chas. Shelton, Dumas, sold 198 heifers to J. A. Puss, Windsor, Colo.

Harris Mullin, Dalhart, sold 314 steer yearlings and 152 cattle to Ray Barr, Denver.

Gilbert Childress, Colorado, bought 37 heifer yearlings from Oscar Mills, Dumas; 148 steer yearlings from Richard Wilson, Dalhart; and 20 heifer yearlings from Pete Lessie, Kerrick.

Bill Seckler, Sterling, Colo., bought 250 steers from Floras Bros., Stratford; 240 steers from David McBride, Kerrick; 100 steer and heifer yearlings from Sam Woodford, Stratford; 251 heifer yearlings from Price & Price, Stratford; and 62 from C. F. Augustine, Texhoma, Okla.

Chas. Hunt, Dumas, sold 121 cows to Rath Pkg. Co., Amarillo.

Fred Bauer, Denver, bought 67 heifer yearlings from A. L. Ross, Stratford; and sold 130 steer yearlings and 591 steer and heifer calves to Brickley & Co., Valentine, Nebr.

Ray Barr, Iowa, bought 80 steer calves from Buck Cone, Dumas; 186 steer calves

from Richard Buckles, Stratford; and 183 steer yearlings from Price & Price, Stratford.

Producers L. S. Comm. Co., Denver, bought 289 calves from Leshley Bros., Kerrick.

Tom Moran, Dumas, sold 486 steers to George Porter, Kansas; and 290 steers to Hank Paustian, California.

Joe Smith, Dalhart, sold 250 heifer calves to Don Perkins, Pilger, Nebr.

Sam Sheftel, Mojave, Calif., bought 67 mixed cows and calves from Ed Stallwich, Dumas; and 128 calves from M. Beauchamp, Dumas.

Ernest Wilmouth, Dumas, sold 180 steers to Roy Benton, Walnut, Calif.

O. G. Hill, Jr., Dumas, sold 99 heifer and steer yearlings to Durad Cluck, Gruver.

E. A. Lowery, Stratford, sold 77 cows to Dowlin & Lock, Nebraska.

Dan Guseman, Hereford, bought 104 steers from Sandy Fluitt, Hereford.

Arthur Letts, Greeley, Colo., bought 250 heifers from Oscar Easley, Hereford.

Fred Rosenstock, Denver, bought 146 steers from Roy Cluck, Hereford; and 124 steer yearlings from McBride & Adell, Stratford.

Cecil Guseman, Hereford, sold 613 steer yearlings to Marion Meseke, Lexington, Nebr.

Cline Cattle Co., Dumas, sold 249 steers to Lungren Cattle Co., Ralston, Nebr.

Max Rosenstock, Ralston, Nebraska, bought 144 heifer yearlings from Pike Cluck, Dumas; 101 steer yearlings from G. L. Willis, Hereford; 91 steer yearlings and 367 steer and heifer calves from Clyde Martin, Stratford.

Brummitt & Singer, Sunray, sold 438 steers to Denver parties.

Paul Aduddell, Stratford, sold 197 steer calves to Cecil H. Cornelius, Kansas City, Mo.

Floyd Brannon, Stratford, sold 68 heifer and steer calves to Tom Cooper, Fort Morgan, Colo.

Ashton & Taylor, Kerrick, sold 280 steers and heifer yearlings to T. Donahue and M. Rosenstock, Sioux City, Iowa.

Montford Feed Yards, Colorado, bought 100 heifer calves from J. C. O'Brien, Stratford; and 449 steers from Gayle Doyle, Dalhart.

Price & Price, Stratford, sold 470

cows and calves to Kruger & Hunt, Los Angeles.

Hank Jones and Hank Paustian, Stratford, sold 117 steer yearlings to Lugrent & Son, Omaha, Nebr.

Kendrick & Cummings, Stratford, sold 75 heifer yearlings to Harold Asums, Eaton, Colo.

Jim Taylor, Stratford, sold 275 heifer yearlings to Asmus & Ruff, Eaton, Colo.

Arthur Judd, Stratford, sold 212 mixed steers to Sinton & Brown, Betteravia, Calif.

W. G. Eastman, Amarillo, sold 67 steer yearlings to Dustel, Sioux City, Iowa.

Springer Cattle Co., Amarillo, sold 61 heifer yearlings to Antone, Windsor, Nebr.

Bob Hulett, Amarillo, sold 90 heifer yearlings to Sam Elliott, Amarillo; and 59 steer and heifer calves to Fred Winzeler, Madison, Kans.

K. La Fon, Amarillo, bought 147 steer yearlings from Lawrence and Swanson, Amarillo; and 78 steer yearlings from Buck Carter, Amarillo.

Roy N. Byrd, Sr., Canyon, sold 255 steer calves, 174 heifer yearlings to Wilson & Flynn, DeKalb, Ill.; and 87 heifer yearlings to Wilson & Randall Mullins, DeKalb, Ill.

Wolf Bros. & Reich, Iowa and Nebraska, bought 69 steer and heifer yearlings from Lee Mathey, Amarillo; and 351 from Vernon Denton, Hereford.

Dick Weatherly, Panhandle, sold 182 heifer yearlings to Farr Farms Co., Greeley, Colo.

J. O. Parker & Hugh Wilson, Amarillo, sold 164 heifer yearlings to Denver L. S. Feeding Co., Denver.

A. M. Curry & Son, Amarillo, sold 107 steer yearlings to Fulton Foxley, Denver.

Al Smith, Hereford, sold 50 cows to Archie Dalrymple, Armory, Miss.

Earl Brown, Adrian, sold 85 steer and heifer calves and cows to Foster Pickett, Amarillo.

The north plains are very dry and most of the cattle which have been shipped in will have to be moved, mostly to feed lots in northern points. Some of these cattle made a fair gain. The weather has been open, but it has been cold. Moisture is badly needed.

Steer calves and two's are selling, 18c to 22c; heifer calves, 17c to 19c; dry cows, 7c to 11c; cows with calves, \$90 to \$150; yearling steers, 17c to 22c—N. H. Sweeney.

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CLARENDON

There was very little trading the past month. Cattle are wintering good, but a lot of feed is being consumed. Most of this country has had very little moisture.

Steer calves are selling 20c to 22½c; heifer calves, 18½c to 19½c; and yearling steers, 18c to 20c.—A. T. Jefferies.

HEBBRONVILLE

Russell Center, San Antonio, bought 180 two-year-old steers from George W. Holbein, Hebronville, and 100 from Earnest Armstrong, Hebronville and Austin.

Dana Hellen, Rafael de la Garza and Clyde Marshall, all of Hebronville, had cattle on the local market. We have had a mild, dry winter to date. Most all of the cattle in this section are in fair condition and cattlemen have been busy since the first of the year working and shaping their cattle. There is some old grass in this section and very little feeding has had to be done.

There is some activity in cattle trading and there have been some inquiries and some buyers in this section. There have been no large imports from Mexico, just a few small shipments which went directly to northern feed lots.

Prices quoted are auction ring prices. Good calves, 16c to 18c; medium calves, 13c to 16c; common calves, 11c to 13c; rannies down to 8c; butcher cows, 9½c to 13c; good stocker calves, 14c to 17c; common to medium types, 11c to 13c cows and calves, \$100 to \$110 per pair; common to medium pairs, \$60 to \$75.—Jack H. Mims.

HOUSTON

No range sales to report.

We have had lots of rain since last report but most everyone is having to feed on account of the dry summer and fall.—G. O. Stoner.

MIDLAND

Billy Bryant, Midland, sold 479 two-year-old heifers and 19 bulls to G. W. O'Brien, Wickett. O'Brien plans to winter these cattle at Wickett and move them in the spring to his Montana ranch. Bryant is now restocking his ranch with steer calves.

There are not many cattle moving in this section except through sales rings.

Most of the ranchmen are feeding some, if not all, of their cattle.

We have had some nice moisture since last report, some snow and rain, which will give us a good start for spring.—Howard McDaniel.

MULESHOE

Halsell Cattle Co., Amherst, sold 168 steers, 26 heifers and 20 bulls on the Oklahoma City market.

W. D. Howard, Friona, sold 60 cows to Dee Graham, Amarillo.

Tom Hudson, Bovina, sold one truck load of cows in the Clovis sale.

Cattle are moving off wheat rapidly. We have had some moisture, both rain and snow, but it was so dry the moisture was not enough to revive the wheat.

Steer calves and yearling steers are selling 20c to 21c; heifer calves, 16c to 20c; two and three-year-old heifers, \$100 to \$125; dry cows, 10c to 11c; cows with calves, \$125 to \$150.—Jno. S. McMurtry.

QUITAQUE

Old Matadors, Matador, shipped four trailer truckloads of cows, steers and yearlings to Oklahoma City; and sold 400 cows to Paul Braddock, Afton, Texas, who shipped them to his ranch at Hartley.

Alvin Ross, Flomot, sold 15 steers, 18 heifers and two cows at the Amarillo sale.

N. V. Hamilton, Quitaque, sold 64 heifer calves, 129 steer yearlings and 21 mixed cattle to Shott Miller, Amarillo.

Swenson L. & C. Co., Crosbyton, sold two cars of old cows and one car of bulls to Swift & Henry, Kansas City, Mo.; and shipped 36 saddle horses and 13 stock mares to Illinois.

Arthur Barrett, Quitaque, sold one car of steers and heifer yearlings to Shott Miller, Amarillo.

Rock Island Oil & Ref. Co., Matador, shipped 178 cows and 10 bulls to the Oklahoma City market and received 176 good heifers from Reece, Kansas, to put on the Matador ranch.

Jim Mayfield, Quitaque, sold one car of steers and heifers to O. C. Payne, Edgin Switch.

Mrs. U. L. Willie, Brice, sold 46 steers and 10 heifers to Bob Minor, Altus, Okla.

We have had some moisture since last report, some snow and some rain. Live-stock have done pretty good this winter,

but a good many cattle are being shipped to auction sales.

Steer calves are selling 17c to 21c; heifer calves, 15c to 19c; dry cows, 9c to 12½c; cows with calves, \$80 to \$140; yearling steers, 19c to 24c; canners and cutters, 6c to 8c; bulls, 10c to 14½c.—Maynard Wilson.

SAN ANTONIO

This section of the state got some rain over most of it recently, from a half inch to an inch and a half. The rain has slowed the cattle coming to the market and has also boosted the price some.

There are still very few stocker buyers looking for cattle, but quite a number are shopping around for stockers that can be bought when it starts raining—but not before.

Steer calves are selling 14c to 20c; heifer calves, 13c to 19c; real fat ones, 21½c; stocker steers, 13½c to 20c.—J. E. Hodges.

SWEENEY

We have had some good rains in the coastal area and now we need a little sunshine. The market has picked up a good bit this month, and there is some trading going on in the country on cows and steers. Clover and planted grasses are ready for grazing.

Good crossbred stocker calves are selling around 14c to 15½c; fat cows, 9½c to 12c; good cows and calves, \$85 to \$120; dry stocker cows, 8c to 10c; fat calves, 16½c to 20c; there are not many aged steers in this area and steer men are buying some at this time.—Leonard Stiles.

TAHOKA

Cattle trading is a little more active after the snow and rains and prices are \$1.00 to \$2.00 per cwt, higher.

Steer calves are selling 19c to 20c; heifer calves, 16c to 18c; dry cows, \$80 to \$90; cows with calves, \$115 to \$125; yearling steers, 17c to 18c.—B. L. Parker.

VICTORIA

Some sections of this country have had good rains, especially Victoria and Jackson counties. Clover and oats are very good in these counties and the cattle are doing all right. It is very dry in Gonzales, Lavaca and DeWitt counties and

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the ranchers in those counties are having to feed their cattle.

Not very many cattle are moving to market at this time. Good butcher calves are selling 18c to 19c; good stocker calves, 15c to 17c; other calves, 12c to 14c; cows and calves have brought \$50 to \$65 per pair for plain cows and calves and \$70 to \$90 a pair on better grades. There have not been many cows and calves for sale.—Lester Stout.

Cattle News

OMAHA

By HART JORGENSEN

Hart Jorgensen, Executive Director of the Livestock Foundation of Omaha, is personally known to thousands of Corn Belt and Western livestock growers and feeders through his market broadcasts, and talks before various livestock grower and feeder groups.—The Editor.

Omaha in 1954 regained its title as biggest cattle market (cattle and calves combined), retained No. 1 rank in beef slaughter, and moved to within a mere one per cent of first place in total receipts of livestock.

Never before in its 71-year history did the Omaha market come as close to taking over the No. 1 spot in total livestock supply. As recently as 1953 Omaha was 14 per cent out of first place; in 1944 trailed Chicago by 28 per cent and in 1940 by 49 per cent.

Total receipts of livestock at Omaha last year were 5,775,549. That was 3.64 per cent more than in 1953. The cattle and calf total at a record 2,421,053 was up 4.3 per cent, the hog total at 2,386,149 was up 3.9 per cent, and the sheep total at 968,345 was up 1.4 per cent.

Feeder cattle and calves at Omaha in 1954 totalled 586,140. That was second biggest replacement cattle and calf run in history of the market.

The nearly six million head of livestock that came to the Omaha market last year were shipped in from 24 different states and Canada. Animals shipped out for slaughter at other points went to 35 states, feeder stock to 22 states. Roughly, one-third of the year's receipts were shipped out live, and the other two-

thirds slaughtered in Omaha's 17 packing plants.

Total value of the 1954 livestock run at Omaha was 550 million dollars, making each market day of the year average well above two million dollars in shipper returns.

Not only were cattle and calf receipts at Omaha in 1954 at an all-time high, but twice in October new one-day records were established: The 18th, 40,294 cattle and calves; then on the 25th, 42,073. Previous record was 40,032, set November 17, 1952.

What about 1955? Too early yet to say, but the New Year started with Omaha in the lead, and to date 1955 receipts are larger than a year ago.

All in a day's swing around the cattle division at the Omaha Stock Yards: The Manilla, Ia., and Anoka, Nebr., shippers who told us how well they liked the way their cattle sold . . . the Jefferson, Ia., feeder who (Jan. 12) made it 23 Wednesdays in a row with cattle at Omaha . . . the Agenda, Kans., shipper whose cattle brought more than he thought they would . . . the Persia, Ia., feeder whose thin-fleshed red and roan stockers bought at Omaha last fall, came back after 100 days in the drylot showing the amazing gain of 3.27 pounds per day (without benefit of stilbestrol) . . . the South Dakota shippers whose feeder lambs outsold top fat lambs by \$1.50 . . . the Jamison, Nebr., feeder who a year ago vowed he'd be back with cattle topping the market — and who did just that. . . Some reasons why we find our job a mighty interesting one.

Scope of the feeder livestock outlet at Omaha surprises most people. Bulk of supply, as would be expected, goes to Iowa and Nebraska, but look at the other states that also received feeder cattle and calves from Omaha in 1954:

California, Colorado, Illinois (over 43,000 head to Illinois), Indiana, Kansas, Michigan, Minnesota, Missouri, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas, Wisconsin, Wyoming, Georgia, Idaho, and Montana.

By the way, a sincere thank you for the many and various expressions of interest and concern and "get well" messages sent our way during our recent incapacitation. Those certainly helped make us well again and we're pleased indeed to be back at the old stand.

Bridwell Carload Bulls Champions at Denver

IN THE carload division of the Hereford bull show held at the stock yards at the National Western Stock Show, exhibitors showed 42 loads of top quality Hereford bulls.

The champion carload was a group of 15 senior calves shown by the Bridwell Hereford Ranch, Wichita Falls, Texas. The reserve champion pen was made up of 12 yearling bulls from the CK Ranch, Brookville, Kans.

The reserve champion carload shown by CK Ranch topped the yearling bull class with Wyoming Hereford Ranch, Cheyenne, Wyo., showing the second place load.

In the senior calf class, the champion pen took first place. The Wyoming Hereford Ranch took second place honors in this class, also.

B. P. Franklin of Meeker, Colo., showed his carload of junior calves to the top spot in that class with Alfred Meeks & Sons of Dalhart, Texas, claiming second place.

New USDA Publications

Seeding Rangelands in Utah, Nevada, Southern Idaho and Wyoming, Agr. Handbook 71, 73 pages; Food Consumption of Farm Families—Meeker and Wright Counties, Minnesota, 1950, Agr. Information Bul. 127, 112 pages; Land Leveling for Irrigation, Leaflet 371, 8 pages; Principles of Layout for Self-Service Meat Departments, Marketing Research Report 77, 37 pages; Serviceability of Sheets Composed Wholly or in Part of Cotton and Viscose Staple Rayon, Tech. Bul. 1103, 57 pages.



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Wheat Poisoning In Cattle

Injection of Calcium Gluconate Solution Fortified With Magnesium or Phosphorus Recommended As Treatment

By FRANK H. SIMS and H. R. CROOKSHANK*

DURING the 1953-54 winter wheat grazing season, 49 untreated, uncomplicated cases of wheat pasture poisoning were observed throughout the Texas Panhandle. Most of the cases were seen by PanTech Field Laboratory personnel, but the information in a few cases was supplied by local veterinarians or county agricultural agents.

The usual symptoms begin with undue excitement, incoordination and loss of appetite. As the condition progresses, viciousness, staggering and falling develop. Nervousness becomes more apparent with muscular twitching, particularly of the extremities. The animal has an anxious expression and may grind its teeth and salivate profusely. The third eyelid will protrude or "flicker," as seen in tetanus. General tetanic contractions of the muscles follow until the animal is almost in a state of prostration. Yet a sudden noise or merely touching the patient causes a reflex response. A pounding heart and labored breathing are noticeable and usually will be followed by a comatose condition. If the animal is not treated, convulsions with periods of relaxation are seen, then, finally, death. It usually is 6 to 10 hours from the appearance of the first symptoms until the animal goes into the comatose condition. If treatment is not begun before the coma sets in, there is little chance of recovery. All cases seen by laboratory personnel in the past five years were in mature cows—two years old or older—which were pregnant, or with a calf at side, or both. The symptoms were observed in beef, dairy and crossbred cows.

Other maladies have been confused with wheat pasture poisoning and many investigations were made of what were

thought to be cases in calves, steers and cows. The most common condition confused with wheat pasture poisoning is spinose ear tick infestation with incoordination closely resembling that seen in wheat pasture poisoning. Black's disease, or *Clostridium novyi* infection, supposedly confined to sheep, has accounted for many deaths of both yearling and mature cattle grazing wheat. This diagnosis was confirmed by bacterial cultures and animal inoculation by the Cline Diagnostic Laboratory in Amarillo. Wheat bloat, though a separate condition, also is of major importance and has been observed by laboratory personnel.

Other conditions which have been mistaken for wheat pasture poisoning are: acetoneamia in mature cows, prussic acid poisoning from feeding bundles or grazing nearby stalk fields, pneumonia and shipping fever, milk fever in dairy breeds of cattle, "water belly" or urinary calculi in young steers, and contagious abortion in cows—all of which were grazing wheat. Very often these conditions and others were confused with wheat pasture poisoning when sickness and losses occur during the grazing season.

TABLE 1. SUPPLEMENTS FED DURING INCIDENCE OF WHEAT POISONING

None	Salt ¹	Mineral Mixtures	Cottonseed Meal	Dry Feed ²	Silage
3	4	32	3	20	3

¹Salt alone. If salt is a part of a mineral mix, it is not included in this category, but under mineral mixture.

²Includes bundles, grain, hay or stalk field.

The most commonly used treatment has been the intravenous or intraperitoneal injection of a calcium gluconate solution. Several experimental calcium preparations have been used, but with inconclusive results. Best results were obtained with preparations containing a

minimum of 17 per cent calcium gluconate. Until this year, fortifying the solution with glucose, magnesium or phosphorus has not significantly increased the effectiveness of treatment. The addition of magnesium and phosphorus in 1954 seemed to increase the speed of recovery and to reduce the need of second treatments. Several commercial preparations of this minimum strength, with or without magnesium and phosphorus, are available from local veterinarians.

The dosage should be 500 ml. given intravenously and 500 ml. given intraperitoneally. When treating by intravenous injection, care should be taken to avoid giving the solution too fast. A minimum of 20 to 30 minutes should be allowed for treatment. If the rate of breathing increases, the rate of injection should be decreased. The intraperitoneal injection may be given as rapidly as desired.

If treatment is given during the first few hours of the symptoms, recovery usually is fairly rapid and uneventful. If 8 to 12 hours elapse before treatment, recovery is generally doubtful or slow, regardless of the type of treatment. Removing the cow from the wheat pasture for a few days also seems to help speed recovery. No recurrence of wheat pasture poisoning was observed in any animal which had recovered from the initial attack.

The use of salt, mineral mixes, cottonseed meal, dry feeds, silage, or various combinations of these, has been suggested as a preventive measure. Table 1 gives a breakdown of the supplements fed in 41 of the cases of wheat poisoning seen during the 1953-54 grazing season.

Usually, more than one supplement was used. Only two cows received salt alone; seven, a mineral mix; and five, dry feed alone. It is clear from Table 1 that these various supplements, either alone or in combination, gave little, if any, protection. It is possible, however, that these supplements, presumably by a diluting effect, may lengthen the time required for the attack to occur. They do not, however, prevent the attack.

Further study of the case histories indicated that 80 per cent of the cases occurred after 60 days and before 150 days on wheat pasture. Thirty-three per cent of the cases occurred after 60 to 90 days on wheat, 21 per cent during the 20 to 120-day period, and 26 per cent during the 120 to 150-day period. The

(Continued on Page 159)

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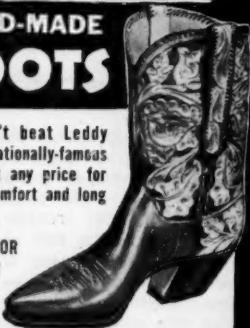
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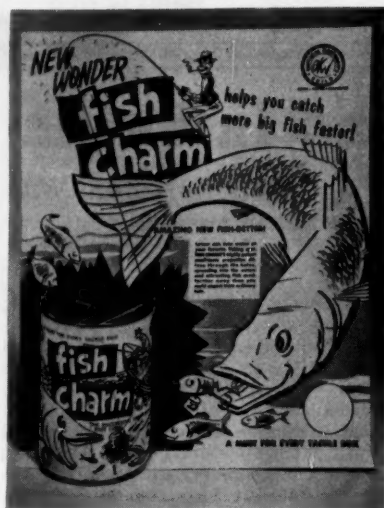
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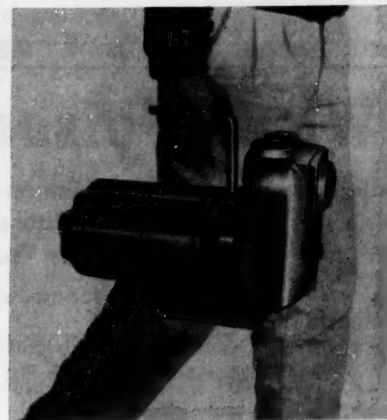
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NEW FARM GATE

A nonrigid, lightweight farm gate is now being marketed under the trademark "FARMORE." Manufacturer is the Farm Division, Cleveland Hardware and Forging Corp., Cleveland 4, Ohio. The new design insures even distribution of weight with no excess strain on gate posts, eliminating scrape or dragging.



NEW UTILITY PUMP

A handy new self-priming utility pump has been developed by Jacuzzi Brothers, Inc., Richmond, Calif., and St. Louis, Mo. The pump is lightweight and can be used for farm and home jobs such as de-watering ponds, watering gardens, draining basements, filling reservoirs or filtering swimming pools. It may be powered by electricity, gasoline engine or belt drive.



TREE AND BRUSH PULLER

A new device for pulling trees and brush out by their roots is now being manufactured by Bushmaster, Inc., Danville, Va. The Bushmaster is designed to fit on either a Ford or Ferguson tractor and comes equipped with a safety shield affording protection for the operator. The machine can pull up and clear trees without disturbing the top soil and pulls out most of the roots below tillage level.

Opportunities in Appetites

(Continued from Page 143)

communities have begun to realize the importance of the stockmen to their well-being.

Too many of us, I am afraid, fail to realize that the most effective work done during the years has been by the various committees of the American National and of the state and local groups. All of the national committees have done excellent work this year, and you will hear more about them later. But I single out today three committees—Research, Marketing and Tax—because of the unusually long and hard and effective work they have done during the year. These men, and particularly their hard working chairmen, Alan Rogers, John Marble and Frank Boice, deserve our thanks. . . .

I think we are coming into the period of the greatest "Beef Feast" in history. There is no reason why people won't eat more beef if we, as beef producers, continue to provide the best beef possible through normal channels at prices reasonable to all and IF we continue to educate the homemaker to the enjoyment and the benefits to be had with beef.

Every state affiliated in the American National has developed a promotion program which takes into consideration the problems and opportunities within that state. Even the states—like Nevada—most hard hit with the drouth are making history . . . and SELLING BEEF . . . with programs of promotion and education.

The American National has been working with eastern states and with national associations in efforts to carry the beef story emphatically to large urban areas.

And, you know, we have found out one very important thing in all of this beef promotion activity. And that is that the individual cowman or CowBelle is the key to the effectiveness of any campaign. His strength, his faith and his unique position as a powerful "field salesman" must not be wasted or let wane in our future programs.

We have also proven that we can be a real and vital part of the Beef Team. It's funny, but we simply never realized before that we had so many friends in that long and complex chain of allied industries which takes our product to the nation's table.

Every segment of the Beef Team has pitched in enthusiastically to help us this past year. A perfect example of that willingness to help came this fall when we joined with vegetable growers to move coincidental surpluses of beef and vegetables. That was the famous "Beef Stew" drive. More than 30 organizations, the Department of Agriculture and hundreds of thousands of grocery stores, restaurants, locker plants, railroads, airlines and other retail beef outlets joined with cattlemen everywhere in reminding the homemaker about the old-fashioned goodness in beef stews, pot pies and other beef-vegetable combinations.

Was the campaign successful? Well, during October beef sales went up an average of nine per cent in the thousands of stores surveyed—and that's a nine per

cent increase over the previous peak in October of 1953.

During September and October, cold storage stocks decreased.

Those are just examples of what one hard-hitting campaign did. All of our state, local and national campaigns combined contributed greatly to the record-shattering per capita consumption of around 80 pounds during 1954. And they helped stabilize our livestock market despite heavy supplies, increased competition from pork and poultry, and ever-increasing competition for the consumer's dollar from everything from TV sets to new cars, power mowers, air conditioning and all of the other expensive symbols of our American standard of living.

Sure we made some mistakes, maybe even wasted some money and effort. But we are amateurs. We still are—but we are learning fast.

None of us, I am sure, particularly enjoy putting up money for beef promotion, but we are fast recognizing that this isn't 1925 or 1935 or 1945 . . . it's 1955 and times and methods are changing fast.

Radio, television, the full-color impact of major magazines and newspapers—they are all here to stay, and whether we like it or not people do go out and buy the things they learn about through our modern channels of communication.

What mother can resist the pestering of her children for something they see every afternoon on television?

Remember, there are 10 thousand new babies born every day, and nutritionists have proven that those babies should start eating beef at six weeks of age and continue to eat beef every day of their lives.

There is our future market! There is our "opportunity in appetites."

We must work ever harder to let every mother know the fundamentals of good protein diet and the value of beef as the best daily source of protein.

And we must be able to do this in the face of ever-increasing demands on the consumer's attention in the return to a "buyers' market."

How best to tell the beef story is our biggest problem. How to raise the money, and how much to raise, are problems that a lot of us have been struggling with for a long time. The American National has had a special committee studying all phases—the best brains in the rest of the Beef Team have also been working on it.

But those answers are hard to come by—as you folks who have been working so hard on local promotion campaigns well know. That's why we asked R. C. Pollock, former manager of the National Live Stock and Meat Board, to come out of retirement and head up a special fact-finding group which will report to you later in this convention. We have been most fortunate in gaining Pollock's help because no other man has been so close to the promotion and education picture in the past three decades.

But from here on, it's up to you at this convention—after seeing all the facts and considering all practical solutions—to make up your own minds on where we go from here.

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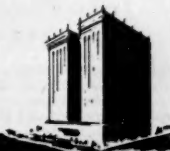
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LIVESTOCK CALENDAR

HEREFORD SALES

- Feb. 1—Southwestern Hereford Sale, Fort Worth, Texas.
 Feb. 7—HG Hereford Farms, Colby, Kans.
 Feb. 8—North Plains Hereford Assn., Perryton, Texas.
 Feb. 9—Tri-State Hereford Assn., Clayton, N. M.
 Feb. 10—Southwest Oklahoma Cattlemen's Assn. Sale, Lawton, Okla.
 Feb. 11—Texas County Hereford Breeders, Guymon, Okla.
 Feb. 11—Beckham County Hereford Assn., Sayre, Okla.
 Feb. 12—Savage & Roberts, Russellville, Ark.
 Feb. 16—Magic Empire Breeders Opportunity Sale, Pawhuska, Okla.
 Feb. 18—Gulf Coast Hereford Assn., Columbus, Texas.
 Feb. 19—Straus Medina Hereford Ranch, San Antonio, Texas.
 Feb. 21—Gilfoil Hereford Farm, Tallulah, La.
 Feb. 22—San Antonio Hereford Sale, San Antonio, Texas.
 Feb. 24—Smithdale Farms, Limestone, Tenn.
 Feb. 26—Arlene McClard, Farmington, Mo.
 Feb. 28—Roundup Sale, Kansas City, Mo.
 Feb. 28—Bryan County Hereford Assn., Durant, Okla.

- Mar. 1—Wagon Wheel Farms Dispersion, Delhi, La.
 Mar. 2—Panhandle Hereford Breeders, Amarillo, Texas.
 Mar. 3—Louisiana Hereford Assn., Delhi, La.
 Mar. 5—Mid-North Texas, Midlothian, Texas.
 Mar. 7—CK Ranch, Brookville, Kans.
 Mar. 7—Southwest Branch Hereford Assn., Hope, Ark.
 Mar. 7—J. P. McNatt, Greenville, Texas.
 Mar. 8—R. M. Fry Hereford Ranch, Hugo, Okla.
 Mar. 8—Louisiana Hereford Assn., Baton Rouge, La.
 Mar. 10—Cravens Ranch, Range Bull Sale, Oklahoma City, Okla.
 Mar. 11—Big Pasture Purebred Br. Assn., Walters, Okla.
 Mar. 12—Sand Hills Hereford Sale, Odessa, Texas.
 Mar. 14—Circle H Ranch, Winona, Miss.
 Mar. 14—Oklahoma Hereford Breeders Assn., Oklahoma City, Okla.
 Mar. 15—King Herefords, Canton, Miss.
 Mar. 26—Suncrest Hereford Ranch, Scottsdale, Ariz.
 Mar. 29—Magic Empire Hereford Assn., Hugo, Okla.
 April 4—Hurricane Hills Farm, Dyersburg, Tenn.
 April 5—J. F. Goodnight, Sardis, Miss.
 April 8—Arizona Hereford Assn. Range Bull Sale, Tucson, Ariz.
 April 11—12—Edg-Cliff Farms, Potosi, Mo.
 April 12—Magic Empire Great Plains Range Bull Sale, Woodward, Okla.
 April 14—Short Grass Hereford Assn., Roosevelt, Okla.

- April 18—Dillon Hereford Ranch, Hutchinson, Kans.
 April 22-23—Circle A Hereford Farm, Morris, Ill.
 April 26—Wyoming Hereford Ranch Heifer Sale, Cheyenne, Wyo.
 April 30—Magic Empire Hereford Assn., Tulsa, Okla.
 May 2-3—Texas Hereford Assn. Round Up, Fort Worth, Texas.
 May 9—Lancaster Farm & Ridgacres Farm, Durant, Okla.

POLLED HEREFORD SALES

- Feb. 2—Texas Polled Hereford Assn., Fort Worth, Texas.
 Feb. 14—Circle M Ranch, Senatobia, Miss.
 Feb. 22—Texas Polled Hereford Assn., San Antonio, Texas.
 Mar. 1—Panola-Tate Polled Hereford Assn., Senatobia, Miss.
 Mar. 3—Hill Polled Hereford Ranch, Fairfield, Texas.
 Mar. 16—Texas Polled Hereford Assn., Marshall, Texas.
 Mar. 17—Titus County Polled Hereford Assn., Mt. Pleasant, Texas.
 Mar. 21—Mid-South Polled Hereford Assn. Calf Sale, Memphis, Tenn.
 Mar. 28—Home Place Plantation, Como, Miss.
 June 6—Panola-Tate Polled Hereford Assn., Senatobia, Miss.

FEBRUARY 1955						
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- Oct. 3—Panola-Tate Polled Hereford Assn., Senatobia, Miss.

ABERDEEN-ANGUS SALES

- Feb. 1—Sondra-Lin Stock Farm, Fort Worth, Texas.
 Feb. 3—Texas Aberdeen-Angus Assn. Fitted Sale, Fort Worth, Texas.
 Feb. 5—E. W. Thompson, Sunmere Farms Sale, Sedalia, Mo.
 Feb. 10—Johnston Angus Dispersion, La Junta, Colo.
 Feb. 11—Essar Ranch, San Antonio, Texas.
 Feb. 12—Mecom-Seventy-Seven Ranch, Houston, Texas.
 Feb. 14—Charmay Angus Farm, Seminole, Okla.
 Feb. 21—Texas Aberdeen-Angus Assn., San Antonio, Texas.
 Feb. 21—Marydale Farm's Fourth Annual Production Sale, St. Francisville, La.
 Mar. 2—Capital Area Aberdeen-Angus Assn., Austin, Texas.
 Mar. 11—Northeast Texas Aberdeen-Angus Assn., Sulphur Springs, Texas.
 Mar. 12—Blackland Area Aberdeen-Angus Assn., Temple, Texas.
 Mar. 15—Oklahoma State Show and Sale, Stockyards Sales Pavilion, Oklahoma City.
 Mar. 21—Southern Oklahoma Angus Assn. Show and Sale, Ardmore, Okla.
 Mar. 25—East Texas Aberdeen-Angus Assn., Palestine, Texas.
 April 11—Red Oak Farms, Rocky Comfort, Mo.
 Apr. 21—Eastern Oklahoma Angus Assn. Annual Spring Sale, Stockyards, Muskogee, Okla.
 May 21—Gulf Coast Aberdeen-Angus Assn., Brookshire, Texas.

SHORTHORN SALES

- Mar. 1—Southwestern Shorthorn Breeders Assn., Austin, Texas.
 April 25—Scofield Shorthorn Sale, Austin, Texas.
 April 26—Caraway Shorthorn Sale, Stephenville, Texas.

BRAHMAN SALES

- Feb. 11—Figure 4 Ranch, Brookshire, Texas.

SANTA GERTRUDIS SALES

- Feb. 5—West Texas Santa Gertrudis Sale, Fort Worth, Texas.
 May 16—Callan Santa Gertrudis Sale, Waco, Texas.

CHAROLLAISE SALES

- Feb. 11—Figure 4 Ranch, Brookshire, Texas.

GENERAL

- Jan. 28-Feb. 6—Southwestern Exposition and Fat Stock Show, Fort Worth, Texas.
 Feb. 3-14—Houston Fat Stock Show and Livestock Exposition, Houston, Texas.
 Feb. 5-19—Florida State Fair, Tampa, Fla.
 Feb. 6-8—New Mexico Wool Growers Assn. Convention, Albuquerque, N. M.
 Feb. 18-27—San Antonio Livestock Exposition, San Antonio, Texas.
 Feb. 27-29—Forty-First Annual Convention New Mexico Cattle Growers Assn., Albuquerque, N. M.

- Feb. 28-Mar. 4—Amarillo Fat Stock Show, Amarillo, Texas.
 Mar. 3-6—San Angelo Fat Stock Show and Rodeo, San Angelo, Texas.
 Mar. 5-12—L.S.U. Livestock Show, Baton Rouge, La.
 Mar. 9-12—Sand Hills Hereford and Quarter Horse Show, Odessa, Texas.
 Mar. 10-12—42nd Annual Kansas Livestock Assn. Convention, Wichita, Kans.
 Mar. 22-23—Seventy-Eighth Annual Convention, Texas and Southwestern Cattle Raisers Association, Dallas, Texas.
 April 2-6—Grand National Junior Livestock Exposition, Cow Palace, San Francisco, Calif.
 April 16—Oklahoma Feeders' Day, Stillwater, Okla.
 Oct. 26-Nov. 6—Grand National Livestock Exposition, Horse Show & Rodeo, Cow Palace, San Francisco, Calif.

Fat Essential for Proper Diet

CALORIE-WATCHERS take notice! Nutrition research has proved that fat is an essential in a proper diet and has a definite place in the maintenance of good health and well-being for people of all ages. Studies further show that fat contributes to many of the delicate and complicated internal workings of the human body and makes possible many other functions which one's body must carry on in the complex day-to-day process of living. Children need fat for growth, energy, and replacement and repair of tissues. During adult life, eating foods too low in fat for too long eventually may lead to poor health.

Self Service in Meats

MORE stores are steadily converting their meat departments to a self-service basis in an effort to build volume, spread costs, and make shopping faster and easier for the housewife. It is estimated that more than 20 per cent of the meat sold throughout the country is through self-service departments. There now are nearly 10,000 stores with self-service departments compared to 10 in 1944. Many stores which do not have complete self-service have converted to at least partial self-service to handle small consumer-sized packages of cold cuts, frankfurters, and pork sausage.

National Western Stock Show Champs

Proudly displaying their newly-won trophies are the seven members of Texas Tech's livestock judging team which took top honors at the recent National Western Stock Show at Denver. Team members are: front row, left to right: Oakley Stevenson, Bovina, holding a permanent plaque awarded Tech for winning the intercollegiate meet; Don Fields, Robert



Lee, displaying the traveling trophy which Tech brought home and two premium ribbons; Bill LaRoe, Happy, holding the Quarter Horse challenge trophy, and Coach Stanley E. Anderson. Back row, Johnny Jones, Brady; Guy Warden, Eastland; Ed Garnett, Lubbock; and Tom Neff, Colorado City, holding a plaque given the team for first honors in Quarter Horse judging.

Bull Sells for \$30,000 in Angus Valley Sale

SUMMARY

12 Bulls	\$ 80,350; Avg.	\$6,696
52 Females	129,600; Avg.	2,473
64 Head	209,950; Avg.	3,280

A VERY large crowd attended Angus Valley Farm's Ninth Annual Sale held January 25 at the farm near Tulsa, Okla. The main attraction of the sale was Black Knight 160th of A.V., a March, 1953 son of Black Peer 28th of A.V. This outstanding grandson of Prince Sunbeam 105th sold at the sale's top price of \$30,000 to Ralph L. Smith, Chillicothe, Mo. Bringing the second top money for bulls and selling to C. C. Bran, Tulsa on a bid of \$10,000 was Black Peer 266th of A.V., an October, 1953 son of Prince Sunbeam 105th. Black Envious 7th of A.V., a May, 1954 son of Black Knight 135th of A.V., sold for \$9,100 to Mecom Angus Ranches, Weston, Colo. and 77 Ranch, Wichita Falls, Texas.

James E. Kemp, Midlothian, Texas, bought the two top selling females. He bid \$15,100 to get Angus Valley Evermere 8th, a May, 1953 daughter of Black Peer 86th of A.V. This good double bred Evermere T. heifer sold bred to Black Peer 28th of A.V. Selling to Kemp on a bid of \$14,300 was Angus Valley Barbosa 7th, a June, 1953 daughter of Black Peer 86th of A.V. She also carried the service of Black Peer 28th of A.V.

Auctioneers were Hamilton James and Ray Sims.

Wheat Pasture Poisoning

(Continued from Page 155)

length of time on wheat pasture before the illness occurred varied from 13 days to six months.

The time the cow had the attack varied from the fifth month of pregnancy up to 6 to 7 months post partum. Seventy-nine per cent of the cases occurred

in cows with a calf under 60 days of age. Seventeen per cent of the calves were under one week of age, 24 per cent were one to two weeks of age, 11 per cent were 15 to 29 days of age, and 27 per cent were 30 to 60 days of age.

Summary

Salt, cottonseed meal, mineral mixtures, silage and various dry feeds, either alone or in combination, gave little or no protection against wheat pasture poisoning. Presumably, acting as a diluent, they may lengthen the time necessary for the attack to occur. They do not, however, act as a preventive. Poisoning on wheat pasture occurs primarily in mature cows, two years of age or older, which are in the late stages of pregnancy or with a calf at side. Most cases developed some time between 60 and 150 days on wheat, and the cow had a calf under 60 days of age. The best treatment seemed to be an injection of a calcium gluconate solution fortified with magnesium and phosphorus. Recovery seemed to be speeded by removing the cow from the wheat pasture for a short time. No recurrence was observed in any animal which had recovered from the initial attack.

Parity Ratio Stays at 86

The mid-January index of prices received by farmers was 5 points higher than in December, largely due to higher prices received for cattle, chickens, strawberries, lettuce and snap beans, according to the January 28 report of the Crop Reporting Board. The parity index also advanced nearly 1½ per cent during the month ended January 15. Thus, with farm product prices up only slightly more than the parity index, the parity ratio remained at 86, the same as a month ago, but about 7 per cent lower than in January, 1954.

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Association contact
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410 East Weatherford, Fort Worth.

The American Cattleman and The American Way

Talk by Earl L. Butz, Assistant Secretary, United States Department of Agriculture, Before the American National Cattlemen's Association, Reno, Nevada

THE romance of cattle and the history of the West are inseparably linked together. Almost from the very beginning, those hardy West-bound pioneers brought their cattle with them, as they pushed across the prairies and pierced the mountain ranges. The story of the American cattleman, along with all the adventure surrounding the legendary cowboy, provides one of the great sagas of our American history.

The early cattlemen in these parts were rough and ready men. They had to be. Men with less imagination, with less courage, with less ambition, never got this far from the East or the Midwest. Those early cattlemen asked no quarter and sought no favor other than the opportunity to work as free men in a free country, as they tamed the virgin resources of an undeveloped empire.

The wild and woolly West of a couple of generations ago exists today only in story and in picture. But that same spirit of independence and freedom which motivated those cattlemen a century ago, beats as fiercely as ever in the heart of the American cattleman in 1955.

It was such a spirit of adventure, of pioneering, of production, and of individual freedom that built the great land we call America. Through the years the American cattleman has typified the American way. He continues today as a modern example of the American way at its best.

What is the American way? Obviously, different people view it differently. No one can describe it adequately in a paragraph. Let me list a few attributes of it which are pertinent to this discussion. The American way holds the individual to be superior to the state, and not state above the individual. It believes the citizen should support his government, and not the government its citizen. It encourages a maximum amount of economic freedom for individual producers, consistent with the common good. It places major dependence upon relatively free markets and free economic institutions. It holds that ever-increasing and efficient production of goods and services by all our people is our best guarantee of a high living standard for everyone. It is based upon the premise that the end of produc-

tion is consumption—not purposeless storage or senseless waste. It stresses that the individual citizen should always be the senior partner, and government the junior partner.

Salesmanship Did The Job

The American cattle industry has come through some trying experiences during the last couple years. At times your profits have been hard-squeezed, sometimes past the vanishing point. You became a political football as some groups tried to stampede you toward a broad program of direct government price supports.

You have stood fast against all this pressure. The rapidly growing supply of beef in recent years has been sold to American people for human consumption, rather than piled up in government cold storage houses. Your industry has had only a minimum of price assistance in recent years, and it has remained free from the strangling regulations that inevitably follow government price supports.

The American National Cattlemen's Association, and the vast majority of individual cattlemen themselves, have staunchly backed this position. Your Association leaders have taken a constructive view relative to the long time development of the beef industry. They have not centered their efforts on securing financial aid and price supports from the Federal government. Indeed, they have resisted such programs because they felt the long time interest of your industry would not be best served that way.

The program of your industry and of your Association has been a constructive one. Your slogan "EAT IT—DON'T STORE IT" has been a good one. It has produced results. It has moved beef into human stomachs. It has taught people to eat more and more beef. It has developed a lasting market for your product.

In 1951 America had a per capita beef consumption of 55 pounds. In 1954 we consumed 79 pounds of beef per person. That's an increase of 43 per cent in 3 years. It is remarkable that so great an increase in per capita consumption could occur without more price deterioration than we actually experienced. This is due in large part to the effective merchandis-

ing programs of your Association, of other livestock and meat organizations, and of government itself. Teamwork did the job.

Secretary Ezra Taft Benson asked me to express to all of you his personal appreciation and that of the USDA for the constructive leadership the officers and members of the American National Cattlemen's Association has exercised during the two years he has been Secretary of Agriculture.

Cattle Numbers Have Levelled Off

You are all familiar with the record of sharply increased cattle numbers during the last five years. Total cattle numbers increased from 76.8 million January 1, 1949, to 94.7 million January 1, 1954. That was an increase of 23 per cent in five years. Indications are that the January 1, 1955, figures will show a slight decrease from a year ago. The decrease will most likely be in steers and heifers, with the cow herd probably remaining about unchanged.

The cyclical expansion in numbers we have experienced since 1949 is primarily a response to the high prices for beef which accompanied the unprecedented post-war demand for beef. Large feed supplies and good weather made possible the rapid expansion in numbers.

Slaughter of cattle was reduced at first as the numbers cycle headed upward, due to withholding of many stock for addition to herds. Slaughter did not start upward until 1952. Then the rise became spectacular, with consumption jumping to the record of 79 pounds per person in 1954. The previous record consumption of beef was 73 pounds per person in 1909. In terms of total volume, however, the 1954 production of beef was twice the total output in 1909 when the previous per capita consumption record was set.

Not only are the consumers of this country now enjoying a record diet of beef, but their total meat supply also is high. Consumption of all red meat jumped from 136 pounds per person in 1951 to 154 pounds in 1953, and in 1954 it was equally as large. Per capita consumption of total red meats in 1953 and 1954 were at the highest rates since 1908. During the last couple of years per capita consumption of poultry and turkey meat was also at record levels.

Severe price declines accompanied the shift to a larger beef supply. For grass cattle the toboggan began in the fall of 1952; for fed cattle the worst break was early in 1953. There was some price recovery from late 1953 to December 1954, except for utility cows.

Largely as a result of lower prices in 1952 and 1953, the increase in cattle numbers slowed down. The price bloom of a couple of years previous had wilted. High

(Continued on Page 165)

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The cost of membership in the Association is \$6.00 annual dues and 12 cents per head per year assessment on the number of cattle rendered.

The Association employs inspectors at the markets and principal shipping stations on the range. Field inspectors are also employed to travel over the range country and investigate reports of cattle stealing, etc. Association attorneys assist in the prosecution of those charged with theft of cattle owned by members.

Write for Information About the Texas and Southwestern Cattle Raisers' Association, Henry Bell, Secretary, Fort Worth

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Texas & Southwestern Cattle Raisers Association

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78th Annual Convention ★ Dallas, March 22, 23

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1955 CONVENTION

March 22, 23

Dallas, Texas

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Arrival Date _____ Time _____

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room will be assigned*

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City _____ State _____

Priority will be given to those reservation requests received
prior to March 1, 1955.

Texas and Southwestern Cattle Raisers Association

Application for Membership

AGRICULTURE is an industry of many phases; livestock raising is among the most hazardous. In furnishing the beef of this nation the cattleman is confronted with problems which may be divided into two distinct classes, individual and common.

Individual problems are those which belong to each man separate and distinct from his neighbor or fellow industryman.

Problems of common interest are those which belong to the industry as a whole. Every cattleman knows that diligent attention must be given to matters involving legislation, marketing, finance, freight rates, meat consumption, and the like, the same as the individual must be concerned about feed, water, labor, and other ranch problems. Group action through organization alone furnishes the operating machinery for dealing with problems of common interest.

The necessity for organized effort has caused each industry to form its association. It brought into being organizations for labor and all other businesses. Livestock producers in every state or section formed representative bodies, and among the first was the Texas and Southwestern Cattle Raisers Association.

Membership is open to any cattle producer recommended by responsible parties. There are cattlemen and livestock farmers in every section of the Southwest who are not members but who should be and lend their support to the efforts of this organization in behalf of their industry.

Experienced inspectors are stationed on all the central markets to which cattle from Texas and neighboring states are ordinarily shipped. Upon authorization by a member proceeds of cattle bearing his brand are held, pending investigation, if the inspector believes that such cattle are being handled by unauthorized parties.

Field men are stationed at important range centers and inspect shipments, conduct investigations of losses by members, assist local officers in apprehending and capturing cattle thieves, and serve the membership in any way possible. An attorney furnished by the Association assists local officers in prosecuting parties indicted for theft from a member.

When filling out this application it is important that information as to marks and brands and range of cattle be as complete as possible. Draw your brands and marks on the cuts of animals on reverse side just as they appear on the cattle. Use a separate cut for each brand and state whether the cattle are of your own raising; or if bought, give the name and address of the party from whom you bought. Brands may also be recorded in the space for remarks. If a brand is a tally on bought cattle same will doubtless be in many marks and a "V" should be put in one ear and "M" in the other—indicating various marks.

Charges incident to membership are \$6 annual dues, \$2 subscription to "The Cattleman" (subscription to The Cattleman is optional), and an assessment of twelve cents per head per year on the number of cattle rendered, which number should be 65% of the actual number owned. There is also a voluntary assessment of 1 cent per head on the number of cattle rendered for the support of the National Live Stock and Meat Board. The minimum charge for membership with brand rendered is based on a rendition of 50 head, and even though you own less than 50 head, you are eligible for membership at the minimum charge. If you are now a subscriber to "The Cattleman," same will not be charged to your membership until present subscription expires.

The strength of any representative organization is entirely dependent on the support given it and the number of persons or the composite assets it is authorized to represent. The more members the Association has, the wider can be its scope of representation, and the more effective will be its endeavors.

19

To the President and Members of the Texas & Southwestern Cattle Raisers Association:

The Petition of the subscriber represents that he is desirous of becoming a member of the Association and I CERTIFY THAT I HAVE RENDERED NOT LESS THAN 65% OF THE CATTLE I AM HANDLING. In case of acceptance I agree and bind myself to conform to the By-Laws governing the Association, and to pay all dues, assessments and other charges provided for by the Association, at Fort Worth, Texas.

Name.....
(Print Name)

Ranch is located.....

Postoffice is.....

65% of the cattle controlled is.....

Recommended by.....

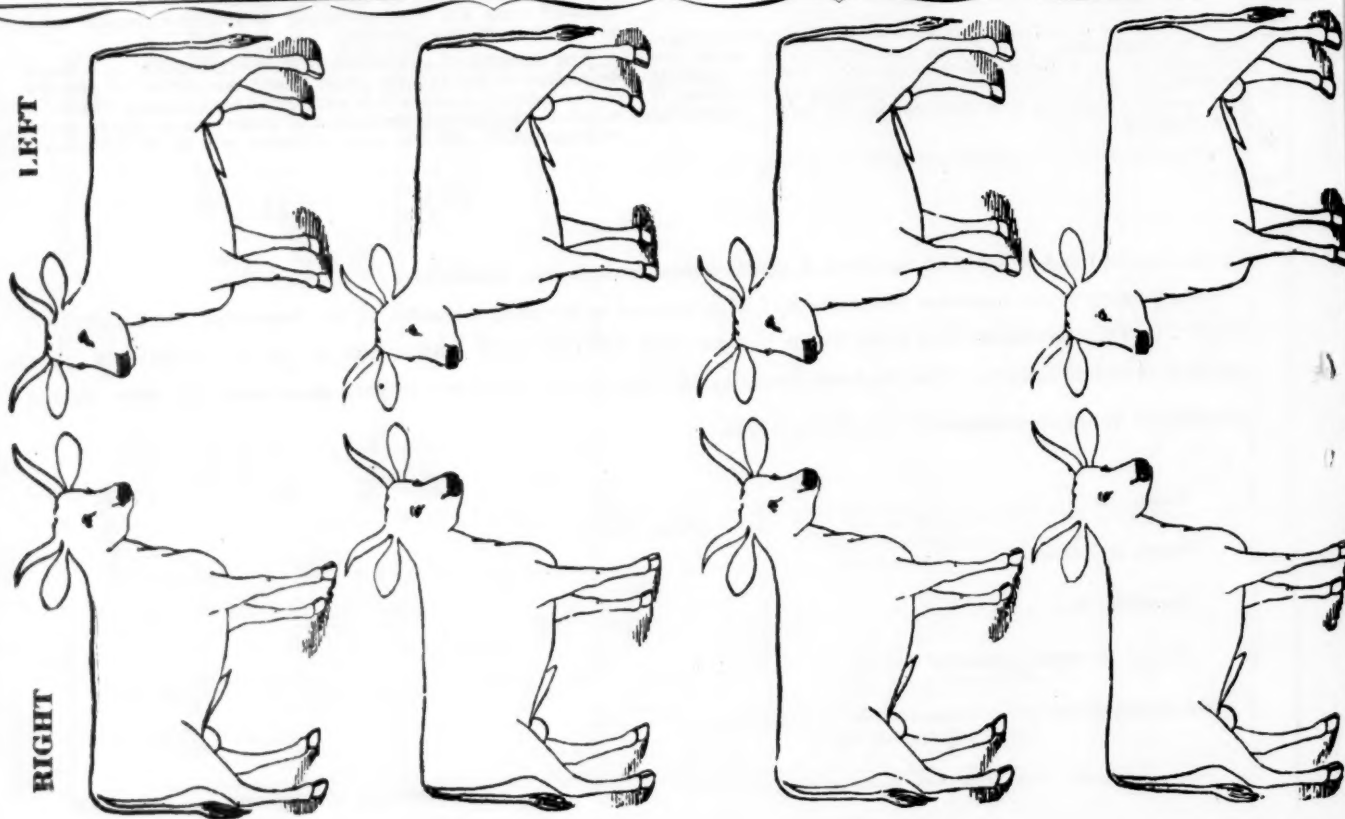
Signature of Applicant

REMARKS

(For Instructions See Other Side)

HORSE BRANDS

LEFT



RIGHT

The American Cattleman and The American Way

(Continued from Page 160)

cost producers and feeders were hard pressed. Some of the "drugstore cowboys" who had moved into the cattle business a couple of years earlier now began to look for greener pastures. As a result, total numbers probably turned down slightly during 1954 and may continue down slightly for another year or two.

Considerable stability returned to the cattle market in 1954. There was improvement over the depressed conditions of 1953, except for the drouth stricken areas in the southern states and certain regions of the West.

The past year, with modest price improvement over the year before, has seen a restoration of the spirit and the confidence of the beef industry. We are now reasonably certain that the United States economy can absorb a very high level of beef output—75 to near 80 pounds per person—without further declines or disastrously low levels of prices.

Long-Time Outlook Is Good

The most reasonable prospect for the immediate outlook is continuation of a relatively high level of cattle numbers and beef output. This assumes normal weather and no general depression. Your Association has implicitly accepted this outlook by your sponsorship of the campaign to get people to EAT MORE BEEF.

Depending on various factors, cattle numbers might drop off no more than 2 or 3 million in the next couple of years, before starting their next upward phase of the cycle. Numbers will probably pass 100 million head some time in the early 1960's. But this is no cause for alarm. With normal weather we can support a cattle population that large or larger. We have increased our efficiency of production for pastures, forage crops, and grain feeds, as well as our efficiency of converting these feed-stuffs into beef. Further increases in efficiency lie ahead.

The amazing rate of our population growth emphasizes the need for increased production of beef in the longer run, provided employment and incomes stay high. Our population today approaches 164 million people. Reliable estimates place this figure around 185 million people in 1965, and well over 200 million people by 1975. If we have 185 million people by 1965, we will need between 100 and 105 million head of cattle to maintain per capita beef consumption near current rates. If we have only 200 million by 1975, we will need over 110 million head of cattle to maintain present per capita consumption rates.

Your Association plans constructively for the future when you build your pro-

gram around your slogan, "Eat It—Don't Store It."

With the continuing expansion of our population, there is a growing market ahead for increased quantities of beef. If your great industry continues to stress efficiency of production, lowered production and marketing costs, and continues to merchandise beef to the housewives of America as a nutritious and economical meat, these housewives will vote their dollars on continued large purchases of beef.

These votes by America's housewives are cast in the retail stores of America—not in the United States Department of Agriculture. If the great American cattle industry wants to continue its phenomenal expansion in the years ahead, and wants to continue being an example of the American way, it should see that this power of decision remains to be exercised in the retail stores of America.

Beef is a high-class and very desirable item in the diet. When consumer incomes are high, people tend to spend relatively more money on beef than on certain other types of food products. The outlook for your industry is therefore tied in closely with the economic outlook for the American economy.

The long-time outlook for America is good. Our country has been enjoying a period of relative economic stability during the past year. The widely advertised business readjustment of 1954 evidently reached its bottom about last July. The slow erosion of prices and business activity which had been in progress since shortly after the Korean boom halted then, and has turned up modestly. The upward course has been fairly steady, although not spectacular, for the past several months. Our economy is growing at a healthy rate, production is increasing absolutely and on a per worker basis, consumer incomes are rising, and higher standards of living are within the immediate reach for all of us.

1954 was the second biggest economic year in the history of America. This was accomplished without war, with Federal government expenditures down \$11 billion and Federal taxes reduced \$7 billion.

Truly the economic health of America is good.

Gross national production in 1955 will equal, probably exceed the 1954 level of \$357 billion. It could even equal the record of \$365 billion in 1953. It is reliably predicted that our gross production will reach \$500 billion by 1965. This will mean an average increase of 20 per cent for each of us, above our present living standard.

American agriculture will share in the growth and prosperity ahead of us, to the extent it continues to apply science

and technology to its production and merchandising.

A great adventure lies ahead for the American cattleman. A generation ago he pioneered on the geographical frontier. In the next generation he must pioneer on the frontier of science and merchandising.

We pledge the personnel and resources in the Department of Agriculture to work side by side with you in the common effort to tame the new frontiers that lie ahead.

Pork Chops Popular Cut

There's a good reason why one usually pays more for pork chops than for most other cuts of pork—only 10 pounds of a 240-pound pig are center cut chops, and the price of each cut of meat, like the price of just about everything else, is determined largely by how much there is and how much people like it. Actually, the 240-pound pig yields only about 100 pounds of the more popular cuts of pork, such as the chops, ham, bacon, and roasts.

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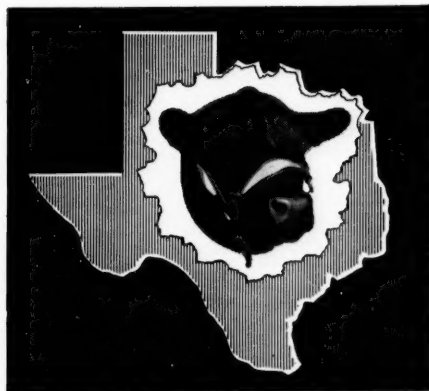
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